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Lbs.	ZONES							
	Local	1 & 2	3	4	5	6	7	8
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2	.11	.15	.16	.19	.21	.24	.27	.30
3	.12	.17	.19	.23	.27	.31	.36	.41
4	.13	.19	.22	.28	.33	.39	.46	.53
5	.14	.21	.25	.32	.39	.46	.55	.64
6	.15	.23	.28	.37	.45	.54	.65	.76
7	.16	.25	.31	.41	.51	.61	.74	.87
8	.17	.27	.34	.46	.57	.69	.84	.99
9	.18	.29	.37	.50	.63	.76	.93	1.10
10	.19	.31	.40	.55	.69	.84	1.03	1.22
11	.20	.33	.43	.59	.75	.91	1.12	1.33
12	.21	.35	.46	.63	.80	.98	1.21	1.44
13	.22	.37	.49	.68	.86	1.06	1.31	1.56
14	.22	.39	.52	.72	.91	1.13	1.40	1.67
15	.23	.41	.54	.76	.97	1.20	1.49	1.78
16	.24	.43	.57	.80	1.02	1.27	1.58	1.89
17	.25	.45	.60	.85	1.08	1.35	1.68	2.01
18	.25	.47	.63	.89	1.13	1.42	1.77	2.12
19	.26	.49	.66	.93	1.19	1.49	1.86	2.23
20	.27	.51	.68	.97	1.24	1.56	1.95	2.34
21	.28	.53	.71	1.02	1.30	1.64	2.05	2.46
22	.28	.55	.74	1.06	1.35	1.71	2.14	2.57
23	.29	.57	.77	1.10	1.41	1.78	2.23	2.68
24	.30	.59	.80	1.14	1.46	1.85	2.32	2.79
25	.31	.61	.82	1.19	1.52	1.93	2.42	2.91

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THE articles listed in this catalogue are arranged alphabetically, A, B, C, &c., with reference headings under each letter. This is a quick and convenient method of locating any article.

If you are interested in any particular subject, as, for example: Projection Apparatus, or Mountings, look under "P" or "M," as the case may be, and you will find the various articles referring to your subject listed, even if you do not know their trade name.

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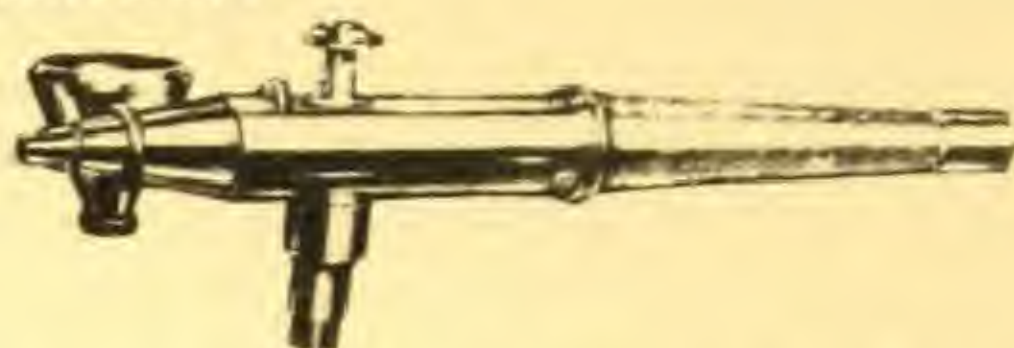
GEO. MURPHY INC.

57 East 9th Street,

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PAASCHE V AIRBRUSH

V Airbrush is used in all studios for retouching, illustration, poster design, mechanical air-paintings, map-work, film preparation, architectural renderings and industrial design. It is especially suited for the needs of the artist doing product illustrations. Its smooth-acting trigger lever gives effortless control over the amount of color applied. Pressed straight downward, it releases air only, and as it is eased back the volume of color applied increases from a fine, delicate line to the widest spray. Lever may be set at any desired position by merely turning the convenient micrometer adjustment in front of the lever.



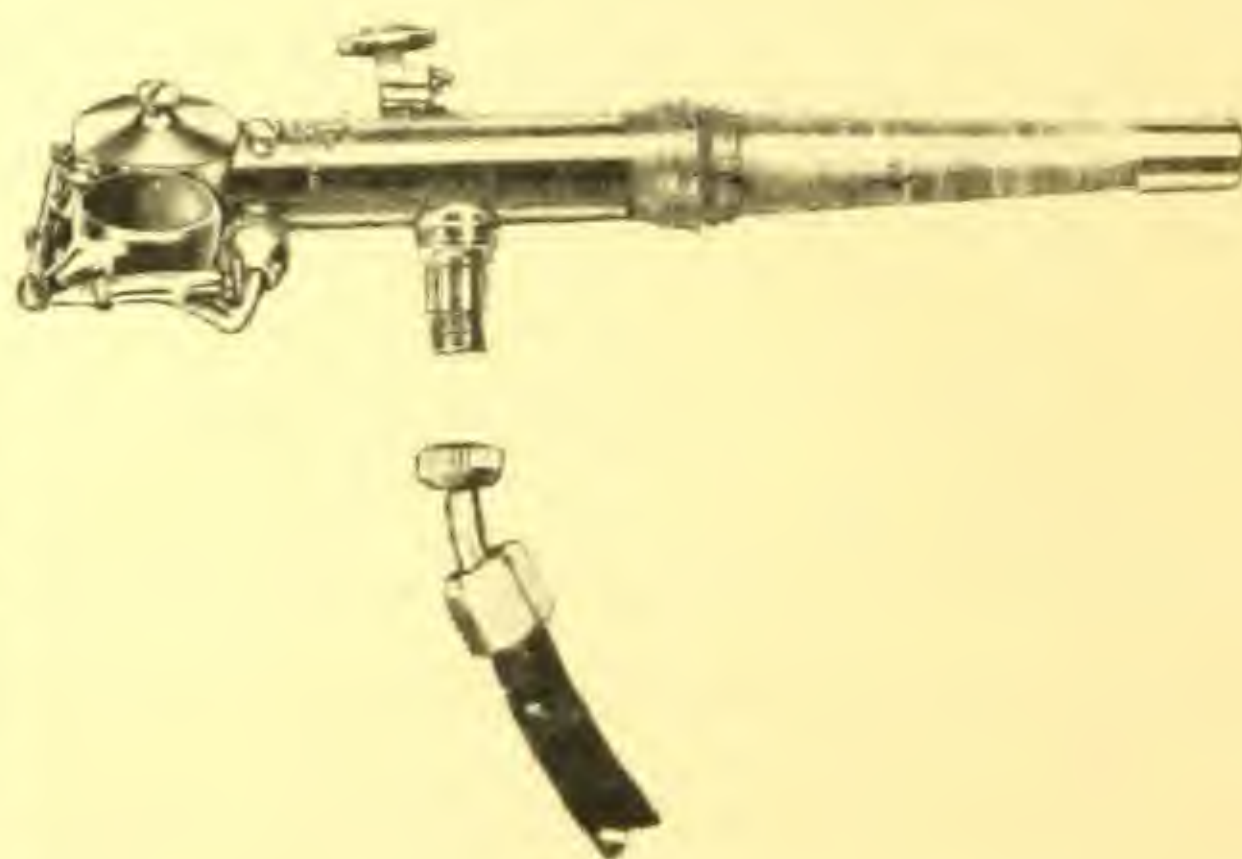
The large funnel-shaped, color cup can be swivelled to the position most suitable to the angle at which the airbrush is being held. The lip on the cup helps keep color from spilling. A knurled nut can be quickly removed to facilitate cleaning of cup. Length $5\frac{3}{4}$ ".

"V" 1 or 2 Airbrush, with extra needle, extra selfcentering tip in the end of handle, reamer, color cup, hanger and hose coupling. With instructions, packed in leatherette case \$28.00

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AB Airbrush, complete with one dozen needles packed in handle, screw driver, tweezers, hanger, hose coupling, directions and case \$45.00

Extra AB Needles, per doz. \$1.10

D Single Diaphragm Aircompressor with air inlet filter, pop-off valve, $\frac{1}{6}$ HP, 110 volt, 60 cycle, split phase motor with rubber feet, off and on switch and 10 ft. of electric cord with plug, complete with extra diaphragm \$43.75

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1412 — 13¾	x 12	5.00



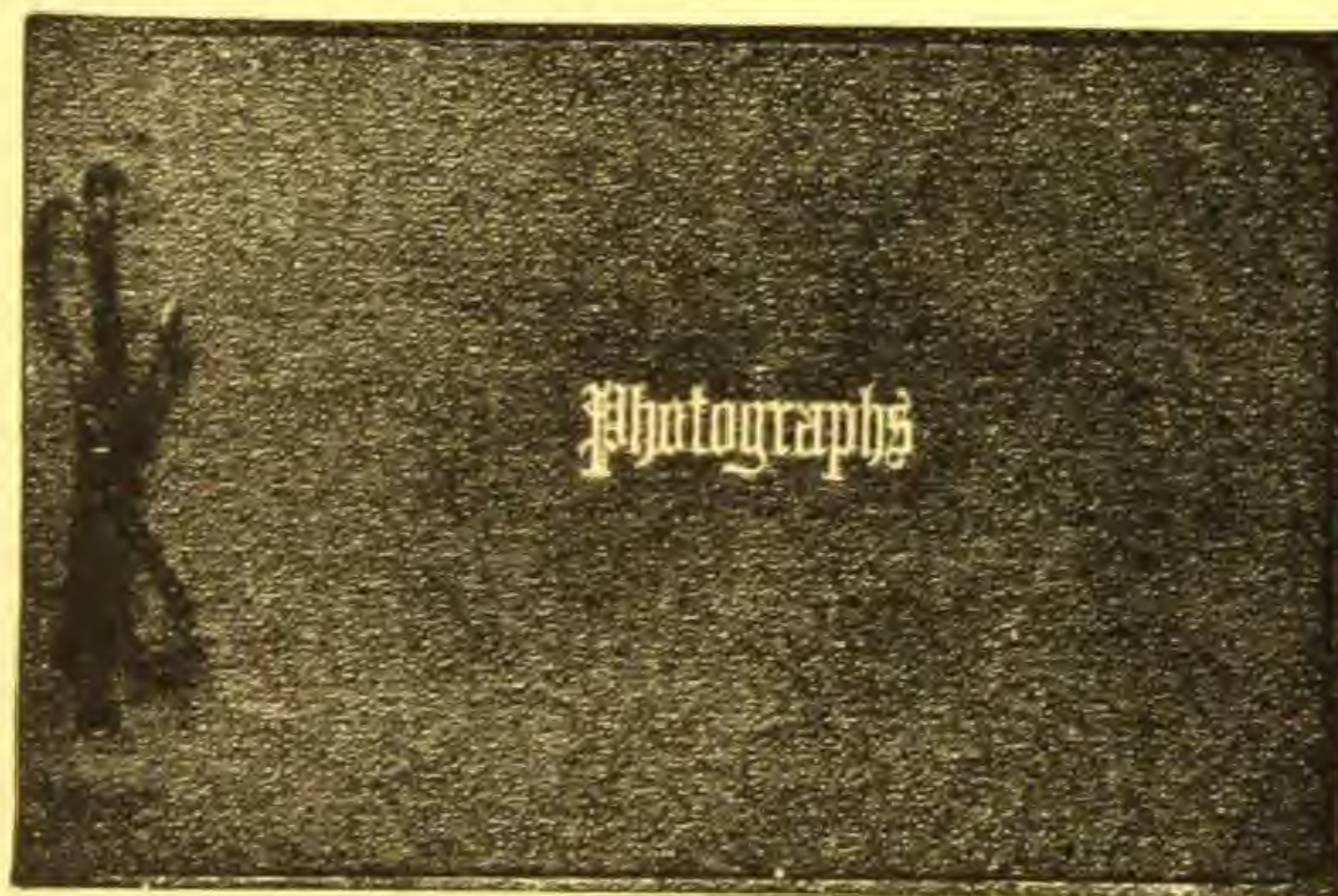
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Black or Brown

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COLORS

Red

Blue

Brown

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7 x 11

10 x 13

11 x 15

"A picture worth taking is a picture worth keeping."

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"The Imperial"

The Imperial is a superb album to "have and to hold" because it has clear double acetate pages which are not permanently anchored in the binding. The covers are in white Holtex; available with inscription, "Our Wedding" or plain.

Style No.	Size	Pages	Price
613A	8 x 10	6	\$3.70
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ADDITIONAL ACETATE PAGES

8 x 10	\$0.25
5 x 715
4 x 512



WEDDING

ALBUM

"The Princess"

LOOSE LEAF

Presenting Holson's New B-81-N Elite Wedding Album. Inspired styling with regal qualities. An extra large, superior album at no added cost, yet so versatile that it accommodates vertical, horizontal and (combination inserts, one side Vertical other side Horizontal.) Bound in Holson's exclusive "Holtex" leatherette in White or Ivory. When ordering specify color, type of insert and whether "Our Wedding" or plain Binding.

PRICES

8" x 10"—Binder with 6 Inserts—681N	\$7.95
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5" x 7"—Insert only—57N ea. (Vertical only)70
8" x 10"—Binder only—B81N ea.	1.65
5" x 7"—Binder only—B57N ea.	1.30



TREASURE BABY ALBUM

Pink or blue. Includes multi binder, fly leaf, 5 x 7 bordered Acetate Insert, 25 pages pink or blue album paper, plastic jacket and gift box.

PRICE \$3.50

Additional inserts of bordered Acetate 30 c. each.

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BOOK SHELF ALBUMS OR SCRAP BOOKS



These are now supplied in extra strong leaves which will not become brittle.

Binding material is of heavyduty Du Pont Fabrikoid.

Each book contains 216 pages. Every other page is perforated so as the book is gradually filled you can take out the perforated pages and keep the book at same thickness.

Books come in Red, Green, Navy Blue, Two-Tone Spanish Brown. Please indicate colors preferred when ordering.

Size A—(To take material 5½ x 9 inches)	\$2.00
Size B—(To take material 8½ x 11 inches)	3.00
Size C—(To take material 11 x 14 inches)	6.00



APRONS

EAGLE WATERPROOF APRONS

Heavy Weight Rubber Material

They are made of a waterproof material, and are a sure preventive against getting the clothing soiled from stains or dirt. All sizes are made with bib which reaches nearly to the neck.

	Price
1-A—36"	\$2.75
2-A—40"	3.00
3-A—47"	3.25
1-B—36" with drip catch	3.25
2-B—40" with drip catch	3.75
3-B—47" with drip catch	4.00

JOHNSON BABY HOLDER



Designed by a baby photographer who knows the requirements, the Johnson Baby Holder is quick, easily adjustable, safe and sure. It is devoid of complicated parts. Two turns of the rear set screw firmly clamps the bracket or releases. Either adjustment requires but three seconds' time.

It is designed to form a comfortable body brace, for use under the dress, with no parts extending beyond the seat itself. This makes it possible to arrange the dress high enough to show the baby's knees, an important point in baby photography.

The front bracket adjusts to fit various sized babies and prevents that "slipping off the seat" position.

The child is held in an upright position, easy, natural and comfortable and does not tire as soon as when forced to hold up alone.

PRICE—\$9.00

MARVEL—Baby Poser

We believe that the MARVEL is the best Baby Poser to be yet offered the Professional Photographer. There is nothing to bind, grip, or irritate the baby, or cause its clothes to bulge unnaturally. This is a clever gadget that turns a hard job for Photographers into an easy one.

Here's how easy it is to use the MARVEL Baby Poser. Set it on a bench, table, or box. Cover it with the Baby's blanket or shawl. Sit the baby in the corner, and let the Mother hold the child with one hand under the blanket, through the hole nearest to her. Use the same blanket to cover Mother's arm if it shows. The baby is comfortable with the Mother so close, and you eliminate all danger of the baby falling.



The MARVEL Baby Poser comes knocked down and is very easily assembled. Legs have rubber buttons to prevent slipping. The Poser itself is nicely finished in white. Seat of Poser is 13 inches square, it stands 11 inches high. Weight is 5 lbs. The price is only \$8.50.

BONNIE PHOTO BABY HOLDER



Every Portrait Photographer has difficulty in posing babies. This problem can be eliminated by use of this very handy Baby Holder. Made of wood of an attractive design this holder comes with three suction clamps on the bottom which enables the operator to instantly fasten it tightly to any smooth surface such as the edge of table etc. The Webb strap as shown in the illustration is fastened around the Child under the clothes so it is not seen in the picture. The curved back supports the child's back while the picture is being made.

Price complete as illustrated \$3.25

NICHOLS BABY POSER

Set it on a stand, bench, or on the floor: slip under the holding arms, any robe, blanket, or other desired ground material: spread the flexible holding arms, and place baby comfortably and safely in position. Accommodates any size baby.

The crystal-clear transparent holder permits photographing the entire baby, dress and all. No straps, buckles, or any movable parts. Put dress under or over. Use it, and you will not part with it.

Price \$14.50



Sliding Backs for Korona Cameras

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For 2 exposures on a 5 x 7 Plate or Film—fits Korona 5 x 7 camera	\$28.00
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For 2 exposures on a 5 x 7 Plate or Film—fits Korona 8 x 10 camera	31.50
For 4 exposures on a 5 x 7 Plate or Film—fits Korona 8 x 10 camera	31.50

Reducing Backs for Korona Cameras

	Tax Included
8 x 10 to 5 x 7 Reducing Backs for Korona camera	\$17.92
8 x 10 to 4 x 5 Reducing Back for Korona Camera	17.92
5 x 7 to 4 x 5 Reducing Backs for Korona Camera	12.16
4 x 5 to 3 1/4 x 4 1/4 Reducing Back for Korona Camera	10.88

Backs for Eastman and Ansco Cameras

# 1-D	5 x 7 Making 3 1/2 x 5 only with separate focusing screen	\$ 45.00
	For 8 x 10 cameras	50.00
# 1-D2	4 x 5 Making 2 1/2 x 4 only vertical with separate focusing screen for 5 x 7 cameras	48.00
# 2-D	5 x 7 Making 3 1/2 x 5 vertical only and 5 x 7 vertical and horizontal for 8 x 10 cameras	72.00
# 3-D	5 x 7 Making 3 1/2 x 5, 2 1/4 x 3 1/4, and 5 x 7 vertical and horizontal for 8 x 10 cameras back remains set kits and screen reverse	94.25
# 4-D	5 x 7 Making 3 1/2 x 5 vertical only and 5 x 7 vertical and horizontal by reversing screen	66.00
	For 8 x 10 cameras	72.00
# 4-D2	5 x 7 Making 3 1/2 x 5 vertical only for 5 x 7 cameras	45.00
	For 8 x 10 cameras	48.00
# 4-D2-A	5 x 7 Making 3 1/2 x 5 vertical only and 5 x 7 horizontal only for 5 x 7 cameras	50.00
	For 8 1/4 10 cameras	53.25
# 4-D3	5 x 7 Making 3 1/2 x 5 vertical and 5 x 7 vertical and horizontal by reversing screen	58.25
# 5-D	5 x 7 Making 2 1/4 x 3 1/4, 3 1/2 x 5, and 5 x 7 vertical and horizontal by reversing entire back. For 8 x 10 cameras	94.25
# 6-D	5 x 7 Making 1 - 24 on a 5 x 7 negative for 8 x 10 cameras 1, 2, 4, 8, 16, 24	108.00
# 7-D	5 x 7 Making 2 1/4 x 3 1/4 only vertical or Horizontal by reversing entire back for 8 x 10 cameras	58.25



E. W. N. NON-HALATION PLATE BACKING

With this backing, which is most easily applied and removed, ordinary glass plates are made perfect. It prevents that white fog around light objects, renders perspective truthfully, lends atmosphere and removes all restrictions as to source or intensity of light. With Backed Plates you can take nature as you find her truthfully and artistically. The thing for snow scenes or interiors. One package will back 250 5 x 7 plates.

Price per package\$0.50

EAGLE BACKGROUND BRACKETS



These brackets furnish a base upon which to set framed backgrounds. Grooves and screw holes facilitate attaching. It is fitted with non-detachable rubber-tired casters.

Background Brackets, per pair.....\$6.00



No. 2313

BACKGROUNDS

All grounds are painted in flat oil.

6 x 8	\$24.00
8 x 8	31.00
8 x 10	38.15
9 x 12	50.50



No. 2317

6 x 8	\$24.00
8 x 8	31.00
8 x 10	38.15
9 x 12	50.50



No. 2396

6 x 8	\$24.00
8 x 8	31.00
8 x 10	38.15
9 x 12	50.50

For natural color grounds add to price
40c. per square foot.

When ordering state whether lighting is
wanted as illustrated or reversed.
All grounds are painted to order.



No. 2463

BACKGROUNDS

All grounds are painted in flat oil

6 x 8	\$24.00
8 x 8	31.00
8 x 10	38.15
9 x 12	50.50



No. 2390

6 x 8	\$30.00
8 x 8	39.00
8 x 10	48.15
9 x 12	61.50



No. 2393

6 x 8	\$33.15
8 x 8	43.45
8 x 10	53.15
9 x 12	70.75

When ordering state whether lighting is wanted as illustrated or reversed.
All grounds are painted to order.



No. 4800

BACKGROUNDS

All grounds are painted in flat oil

6 x 8	\$24.00
8 x 8	31.00
8 x 10	38.15
9 x 12	50.50



No. 4801

6 x 8	\$24.00
8 x 8	31.00
8 x 10	38.15
9 x 12	50.50



No. 2454

6 x 8	\$30.00
8 x 8	39.00
8 x 10	48.15
9 x 12	61.50

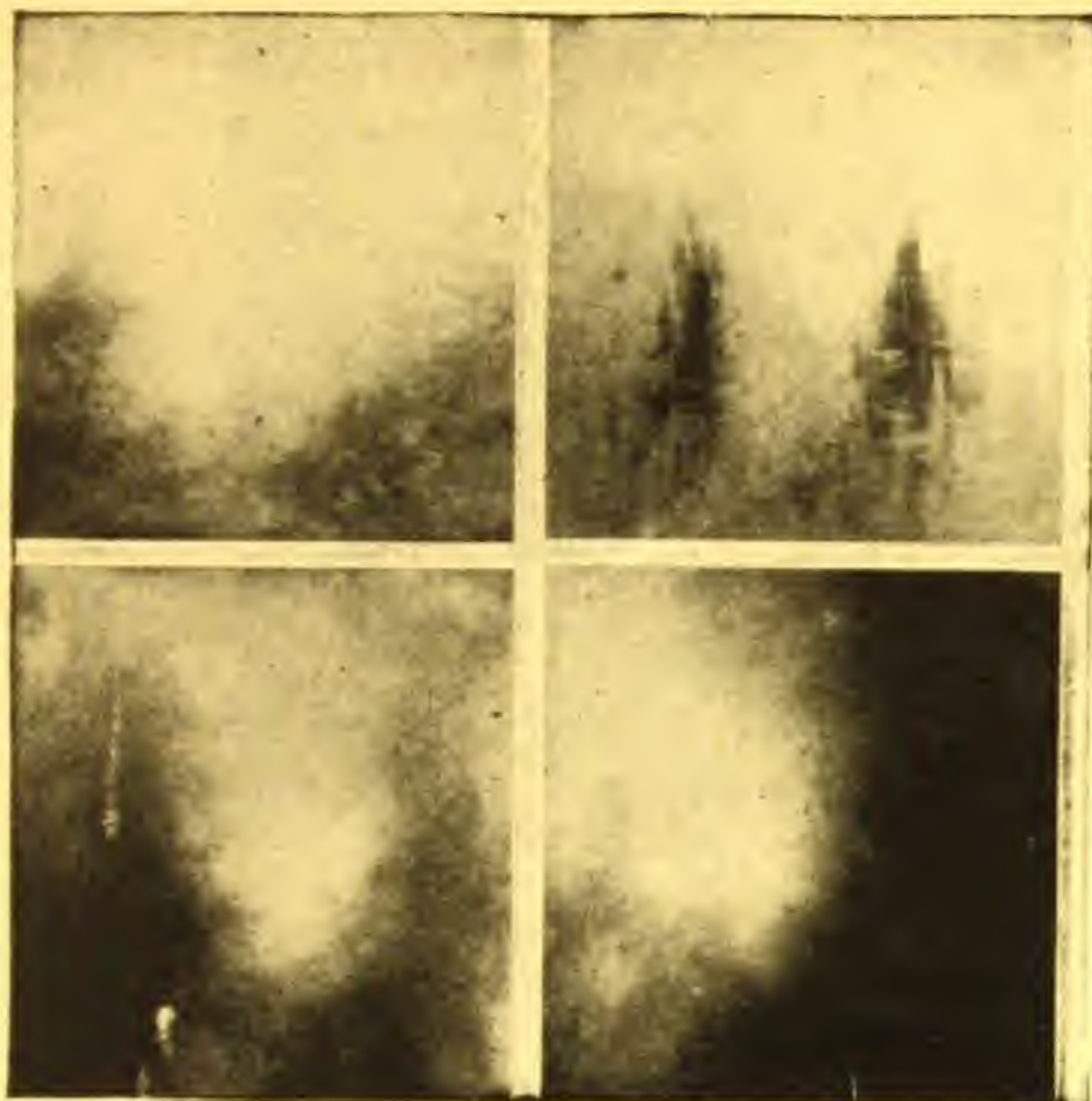
For natural color grounds add to price 40 cents per square foot.

When ordering state whether lighting is wanted as illustrated or reversed.

All grounds are painted to order.

205

206



BACKGROUNDS

All grounds are painted
in flat oil

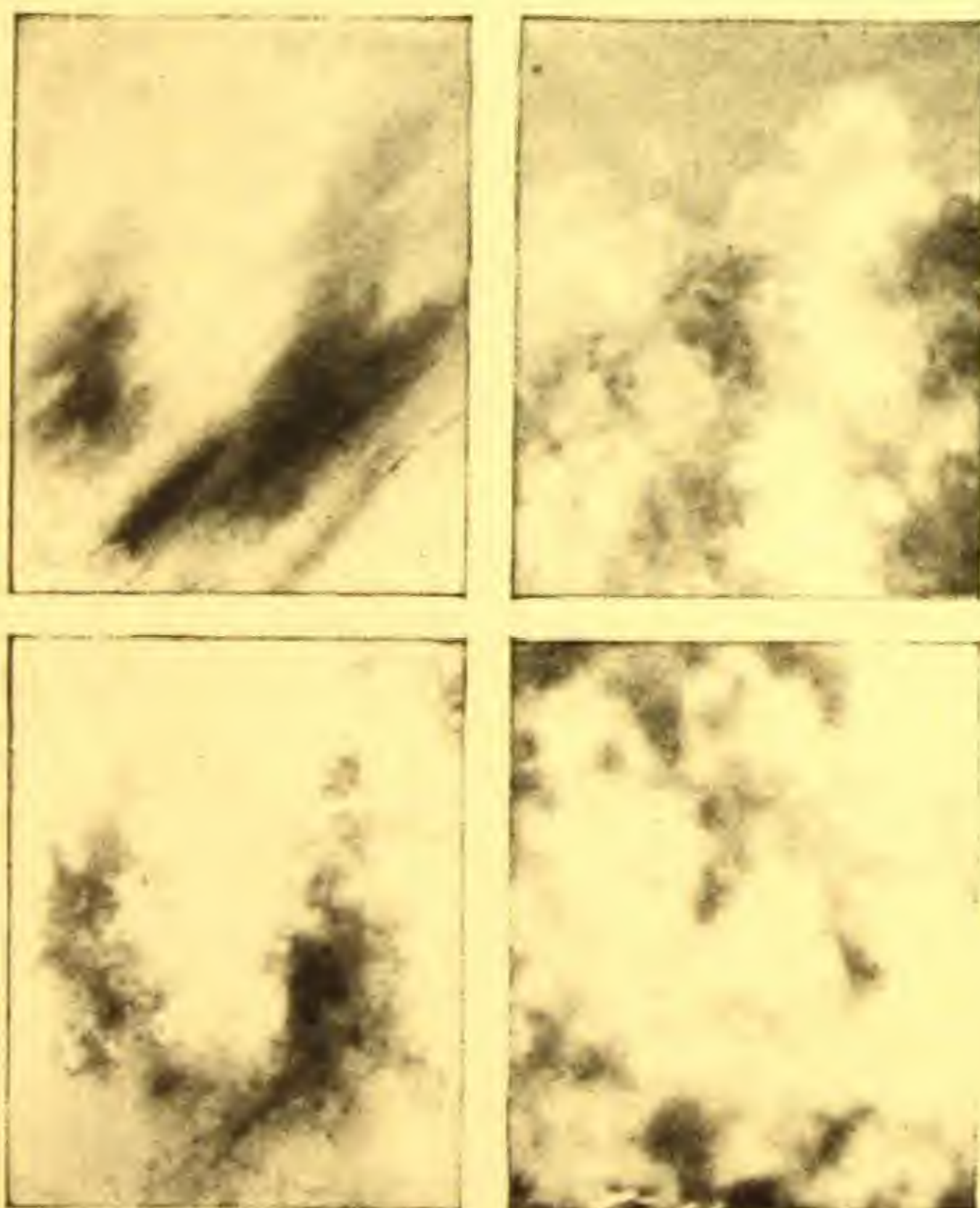
5 x 6	\$12.00
6 x 8	18.75
8 x 8	25.00
8 x 10	35.00

207

208

227

219



5 x 6	\$12.50
6 x 8	18.75
8 x 8	25.00
8 x 10	35.00

When ordering state whether
lighting is wanted as *illustrated*
or *reversed*.

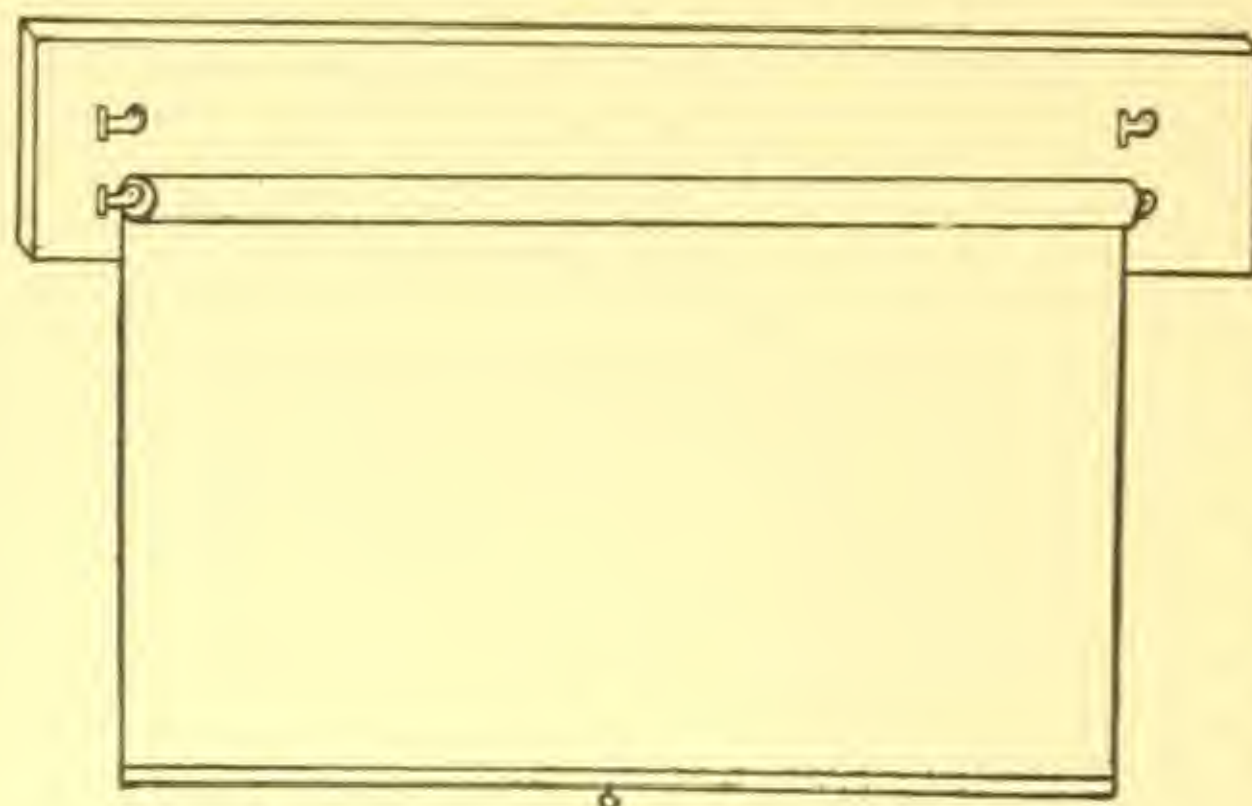
All grounds are painted to
order.

220

213

Two Back-Grounds in One DUPLEX SOLID-TONE BACKGROUNDS

No. 11—On Spring Roller



Hand painted in glareless flatted oil solid colors. Will photograph with a smooth even tone. The tones described for each color vary slightly depending on color of light used and type of negative emulsion. Orthochromatic emulsions will, in general, render a slightly darker tone than Panchromatic.

No. 11

Dark Green on one side —Photographs Medium to dark black
and

White on reverse —Photographs white to delicate gray

	Tax included
4½ ft. wide by 6 ft. high—mounted on spring roller	\$15.00
6 ft. wide by 9 ft. high—mounted on spring roller	21.00
8 ft. wide by 8 ft. high—mounted on spring roller	57.00
10 ft. wide by 8 ft. high—mounted on spring roller	64.50
12 ft. wide by 9 ft. high—mounted on spring roller	110.00

FITCH DUPLEX BACKGROUND AND CARRIER

For School and Home portraiture work. No tripod legs to trip up on—legs fold up to carry.

Finished in spatter blue-green. Weight TEN lbs. Set up in 10 seconds.

Reversible—clouded on front side white shade on back.

	Prices
4 x 6	\$16.75
carrier extra	20.00
5 x 7	24.25
carrier extra	22.00
6 x 8	33.25
carrier extra	24.00

Can be sent parcel post.

ROYAL PRINT-IN BACKGROUNDS COMMUNION AND CONFIRMATION

Our print backgrounds give you a variety of backgrounds with pleasing effects. Simple to manipulate, quickly adjusted, and artistic in effects. The subject is photographed in front of a solid color background preferably gray if needed.

For contact and projection simply place the Royal background under the negative and print to any size desired.

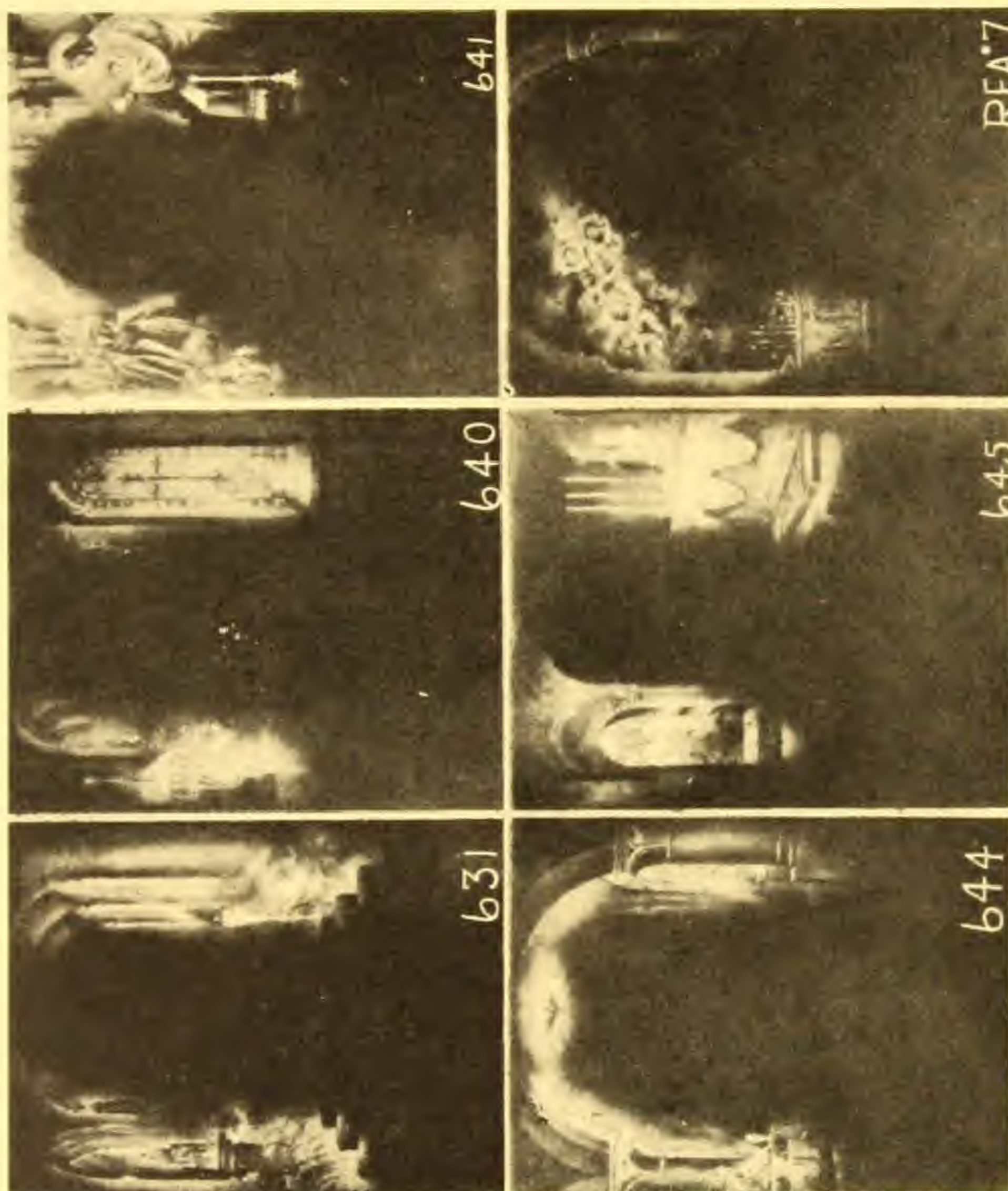
	Each	Set of any 6
3x 5	\$1.25	\$7.00
4x 6	1.35	7.75
5x 7	1.35	7.75
8x10	3.00	15.00
9x12	3.50	18.15

Tax included

When ordering give ground numbers.

Special 5 x 6 Duplex Background on roller, one side plain white other side plain green. Specially made for use with print in ground. \$15.00

Send for free illustrated circulars. Many other designs.



ROYAL PRINT-IN BACKGROUNDS

Children Designs

Our print backgrounds give you a variety of backgrounds with pleasing effects. Simple to manipulate, quickly adjusted, and artistic in effects.

The subject is photographed in front of a solid color background preferably gray if needed.

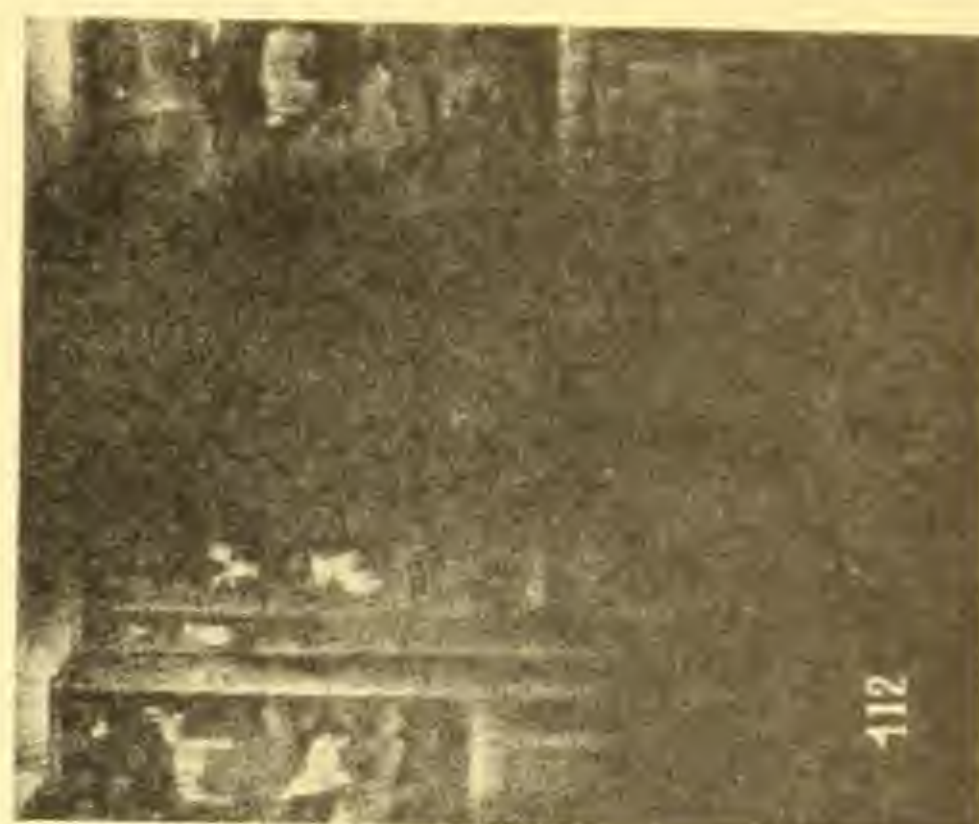
For contact and projection simply place the Royal background under the negative and print to any size desired.

	Each	Set of
3x 5	\$1.25	any 6
4x 6	1.35	\$7.00
5x 7	1.35	7.75
8x10	3.00	7.75
9x12	3.50	15.00
		18.15

Tax included
When ordering give ground numbers.

Special 5x6 Duplex Background on roller, one side plain white other side plain green. Specially made for use with print in ground. \$12.00.

Send for free illustrated circulars. Many other designs.



ROYAL PRINT-IN BACKGROUNDS

2 on 5/7 Designs

Our print backgrounds give you a variety of backgrounds with pleasing effects. Simple to manipulate, quickly adjusted, and artistic in effects.

The subject is photographed in front of a solid color background preferably gray if needed.

For contact and projection simply place the Royal background under the negative and print to any size desired.

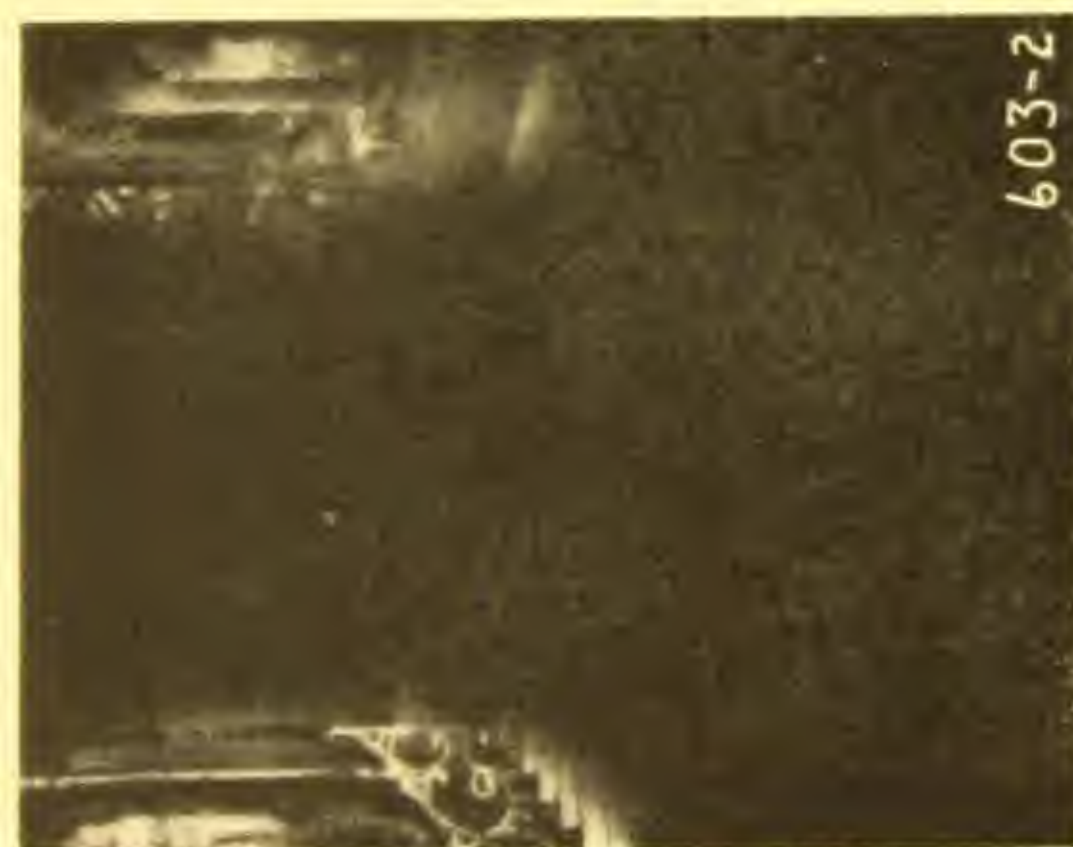
	Each	Set of
3x 5	\$1.25	any 6
4x 6	1.35	\$7.00
5x 7	1.35	7.75
8x10	3.00	7.75
9x12	3.50	15.00
		18.15

Tax included

When ordering give ground numbers.

Special 5 x 6 Duplex Back ground on roller, one side plain white other side plain green. Specially made for use with print in ground. \$15.00

Send for free illustrated circulars. Many other designs.



603-2



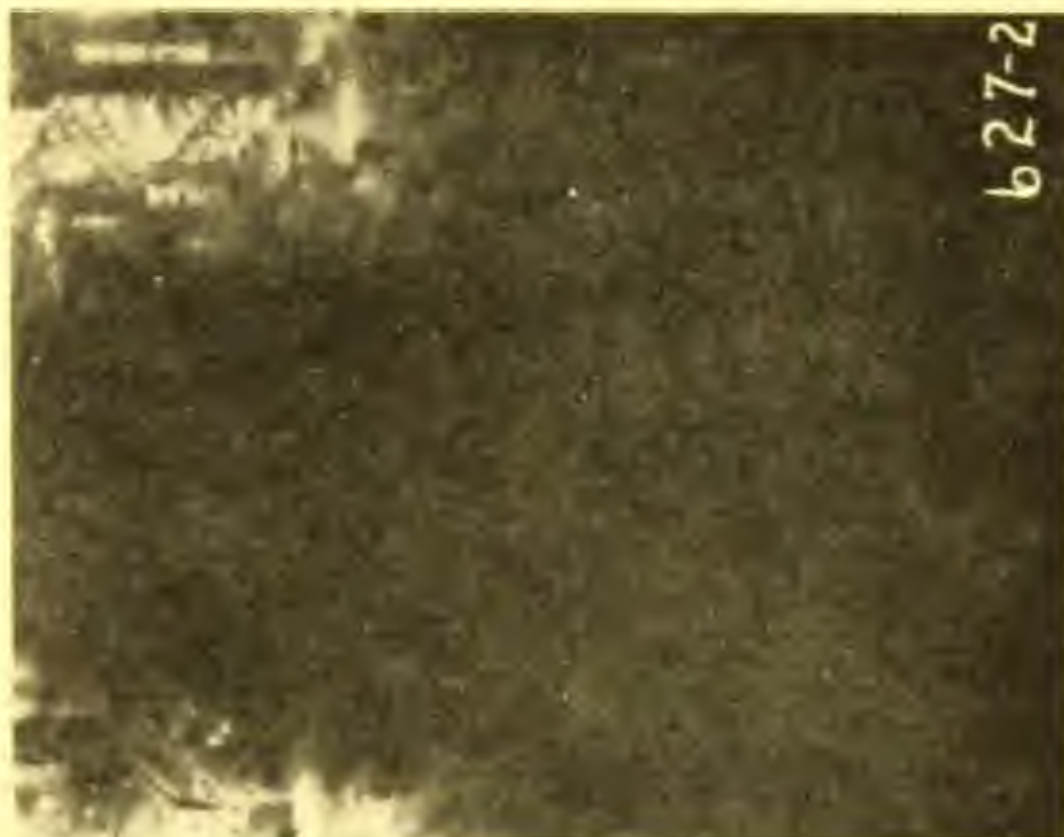
508-2



504-2



631-2



627-2



605-2

COMIC BACKGROUNDS

Most humorous caricatures are secured with the aid of these foregrounds with scarcely more trouble than in making ordinary pictures. The foregrounds are simply held up under the sitter's chin.

Order by number. If you wish them lettered, state whether for photos or tin-types. It would also be well to state which side your gallery light comes from.

MADE TO ORDER—ONE WEEK

- No. 1. Man riding a donkey. "I am coming."
 2. Man out walking with twins. "A proud father."
 3. Man riding a flying goose. "Out on a fly."
 6. Man in a donkey cart. "Have a ride?"
 11. Fat man. "When I get fat."
 18. Man in night-gown tending baby. "I'm a father."
 22. Man in full dress. "Ah, there!"
 25. Baseball player running a base. "Score!"
 26. Fat woman in bathing. "By the sea waves."
 27. Fat man in bathing. "Coney Island."
 31. Man in canoe. "I paddle my own canoe."
 35. Fat woman with fan. "A hot day."
 38. Man or girl with chicken body. "Only a chicken."
 47. Man rowing in boat. "Have a ride?"

DOUBLES (TWO FIGURES)

- No. 406. Man and woman in row-boat.
 409. Man and woman racing in two donkey-carts.
 410. Man with arm around woman on park bench.
 411. Man and woman doing the cakewalk.
 412. Two men racing on donkeys.
 414. Man and woman fishing from boat.



- No. 421. Two birds on telegraph wire (for men or women).

PRICE

	Single Figure	Double Figure
1 Foreground	\$5.00	\$9.00



BRIGHT STAR BATTERIES

Made specifically for photographic purposes. Utilizes a highly reactive depolarizer with low internal resistance.

Ordinary flashlight batteries are not suitable for flash guns and are a frequent cause of improper synchronization.

	Price
No. 59P Penlight 12 to box	\$.10
No. 11P Medium 12 to box .....	.15
No. 10P Large 24 to box .....	.15

H. F. BATTERY TESTER

The H. F. Tester is designed with a convenient shoulder for quickly inserting and removing from battery case. Well constructed bakelite, brass and porcelain. Bulb recessed for greater protection.

H. F. Flash Tester (illustrated) \$0.60

BAYONET BASE BATTERY TESTER

A new style battery tester. Adapted for use in synchronizers and reflectors fitted to take "midget" flash bulbs.

Bayonet Base Battery Tester (not illustrated) . \$0.85



WOLLENSAK BINOCULARS

WOLLENSAK 8 x 30

- Prism Binocular with Coated Optics.
- Eyepieces focus independently of each other.
- Guaranteed moisture-proof and dust-proof.
- Comes complete with leather carrying case and straps.

PRICE.....\$105.00

(subject to 20% tax collected by retailer)

WOLLENSAK EXPLORER — 8 POWER TELESCOPE

- Field of view 1,000 yards.
- Weight 6 ounces . . . Length 4 3/4", open 9 1/4".

PRICE.....\$7.50

WOLLENSAK 6 x 30

- A high precision binocular with 6 diameter magnification.
- Coated optics provide 83% light transmission, reduce internal reflections.
- Individual focusing eyepieces.
- Guaranteed moisture and dust-proof.
- Length closed — 4 1/2" — Weight 18 oz.
- Comes complete with leather carrying case and straps.

PRICE.....\$90.00

(subject to 20% tax collected by retailer)



WOLLENSAK RAMBLER

- Ideal for Sportsmen.
- 4 power magnification with 33mm diameter objectives.
- 85 yd. Field View at 1,000 yds.
- Center screw focusing.
- Finished in black lacquer and deep Morocco grained vulcanized rubber.
- Complete with neck strap and genuine leather carrying case.

PRICE.....\$22.50



Magni-Vu Field Glasses

3 1/2 POWER 40 M.M. LENSES

One hand ball bearing operation with finger tip control.

All parts are precision made.

Light weight aluminum body.

Double coat baked crinkle body finish.

All lenses are optically ground and polished and have grounded edges.

Lenses are matched for maximum power and clarity.

Dust proof lense mounts.

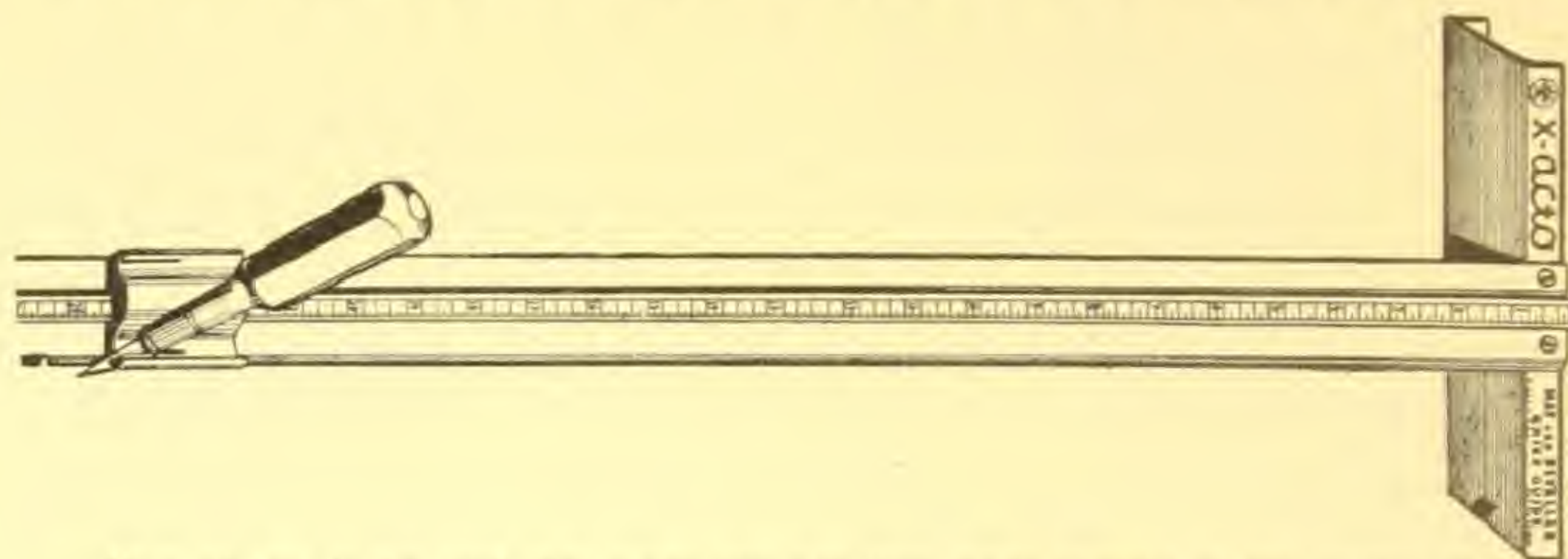
Lenses are insulated and sealed in rubber.

Premold carrying case and strap.

PRICE \$13.50

Federal Tax \$2.70

X-ACTO MAT AND BEVELLER KNIFE GUIDE



Here at last is the tool that gives you the iron wrist control of the professional mat cutter. Made of the new Wonder Metal—Magnesium, combining light weight with great strength. Designed like a T square, can be held firmly against the table with the body, leaving the hands free to hold the mat and guide the knife. A patented magnesium block slide, with a 30" scale plainly visible while cutting, helps to prevent over-cutting. Ridging on the back gives extra protection against slipping.

X-Acto Mat and Beveller Knife Guide, with No. 6 X-Acto Knife \$7.50

BLOTTERS

	Doz. Per	Ream Per 1/4	1/2 Ream Per	Ream Per
World Blotters 100 lb. weight, 19 x 24	\$0.80	\$7.50	\$14.00	\$26.50
World Blotters 120 lb. weight, 19 x 24 .....	.90	9.00	16.75	32.00
World Blotters 140 lb. weight, 19 x 24	1.05	9.50	17.50	34.00

BLOTTER ROLL



Inexpensive yet efficient device for drying semi-matte or matte surface prints. Includes fine white blotter, linen-lined blotter, and corrugated-board backing. Prints are placed face down on linen-lined blotter, covered with regular blotter, and rolled up. Corrugations in backing allow free circulation of air, thus facilitating more rapid, uniform drying. Roll counteracts tendency of prints to curl. Measuring 6 feet long, 11 1/2 inches wide, the Blotter Roll accommodates 60 average sized prints.

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EAGLE DRYING BLOTTER BOOK



Lintless and chemically pure World Photographic blotters.

Lays flat, Blotters can be replaced.

Size, 9 1/4 x 11 1/2 inches,
for seventeen 8 x 10 prints \$.75

Size 12 x 18 inches,
for seventeen 11 x 14 prints 1.50

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A synthetic Dragon's Blood. Process Engravers will recognize in Bloodit a product that will prove to be a great saver of time and worry. Being standardized in manufacture it overcomes the difficulty which has always been a source of annoyance to the Process Engraver, namely, the uncertainty and lack of uniformity in the natural Dragon's Blood. It is uniform and constant in working, it is cheaper than Dragon's Blood and more economical in use, and is used by some of the best known Process Houses.

Per lb. \$1.50

E. W. N. BLUE PRINT POWDERS

These powders offer a ready and convenient means for preparing the well-known Blue Prints. By dissolving the contents of one package of the powders in the proper quantity of water a solution is obtained which will sensitize paper, canvas, silk, linen, cardboard or almost any substance upon which a print can be made. The prints are prepared by exposing this sensitized material, under a negative, to sunlight and then simply washing it with water.

Box of 6 tubes \$0.50

**NATURAL COLOR PROCESSES**

by CARLTON E. DUNN

Carlton Dunn was a natural for writing it because he had been for years up to his elbows in color work, going all over the country giving working demonstrations. He is himself the outstanding trichrome carbro worker and an expert in many other processes. He knows personally all the best color workers, and how they do their stuff. That is how he got the material for this book. He wastes no time on fancy theories, but gets right down to brass tacks and tells you how to make a print by any process you choose. Nothing could be more practical.

CHAPTER HEADINGS

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Wet Carbon Three-Color Printing
Belcolor Printing Film
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About 250 pages, 5½ x 8, cloth bound, 4-color jacket, price \$3.

**JOHNSON 'WELCOME' PHOTOGRAPHIC
YEAR BOOK**

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Per copy \$.25

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Filled with actual working details based on the author's extensive experiences, this book is indispensable to all photographers and an important reference volume for libraries.

Table of Contents

GENERAL CONSIDERATIONS: The Commercial Value :: Fundamental Considerations :: Modern Theory of Three-Color Photography :: Lighting.

COLOR PRINT PROCESSES: Equipment for Making Separation Negatives :: Development of Separation Negatives :: The Carbro Process :: Kodak Dye Transfer Process :: Other Processes — Printing Services.

COLOR TRANSPARENCY PROCESSES: Transparency — General :: Combined Screen Additive :: Separate Screen Additive :: Reproducing Additive Transparencies :: Subtractive Transparency :: Reproducing Subtractive Color Transparencies.

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Keep in a cool dry place and open only in photographic darkness

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It is rich in silver of a long range and has no overcoat of gelatin above the silver emulsion. It is a double weight semi-matte stock.

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8 x 10	\$1.45 + .22
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40 in. x 10 yards	18.00 + 4.50

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The bleacher rends the print excellently fit for the raising of the bromoil relief and inking.

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BROMOIL PRINT SUPPORT CLOTH

with rubber center. The cloth lies moistened and surplus water allowed to drip off. Spread on the table, it will lie absolutely flat, without wrinkles. The soaked print is laid on top of it during inking and adheres to the cloth without letting any water ooze beyond the margins of the print, and without the print lifting during dabbing with the tacky brush.

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BOOKS ON BROMOIL PRINTING

Bromoil and Oil Process

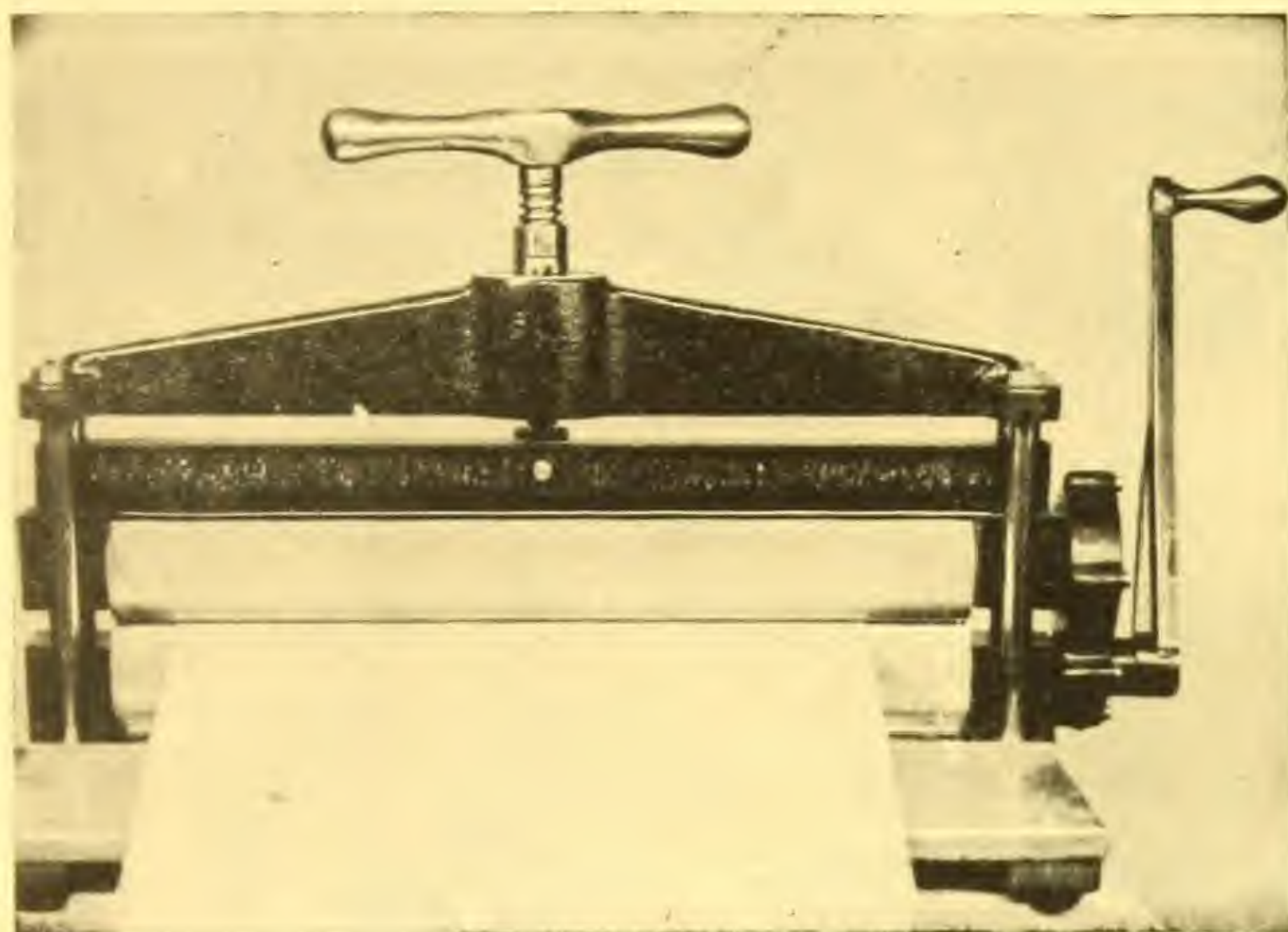
By Bertram Cox25

Bromoil and Transfer

By C. J. Symes, F.R.P.S. \$2.00

THE ROYAL BROMOIL PRESS

The finest Bromoil Press ever offered in this country. This press was designed and made by a serious Bromoil worker who gave up one press after another and who has eliminated in the designing many shortcomings found in other presses.



Rollers are knurled with heavy chromium finish.

Clearance through rollers—21".

Roller bearings $\frac{3}{4}$ " Diam. by 2" long.

All bearings are carefully lapped so there is no shake or drift.

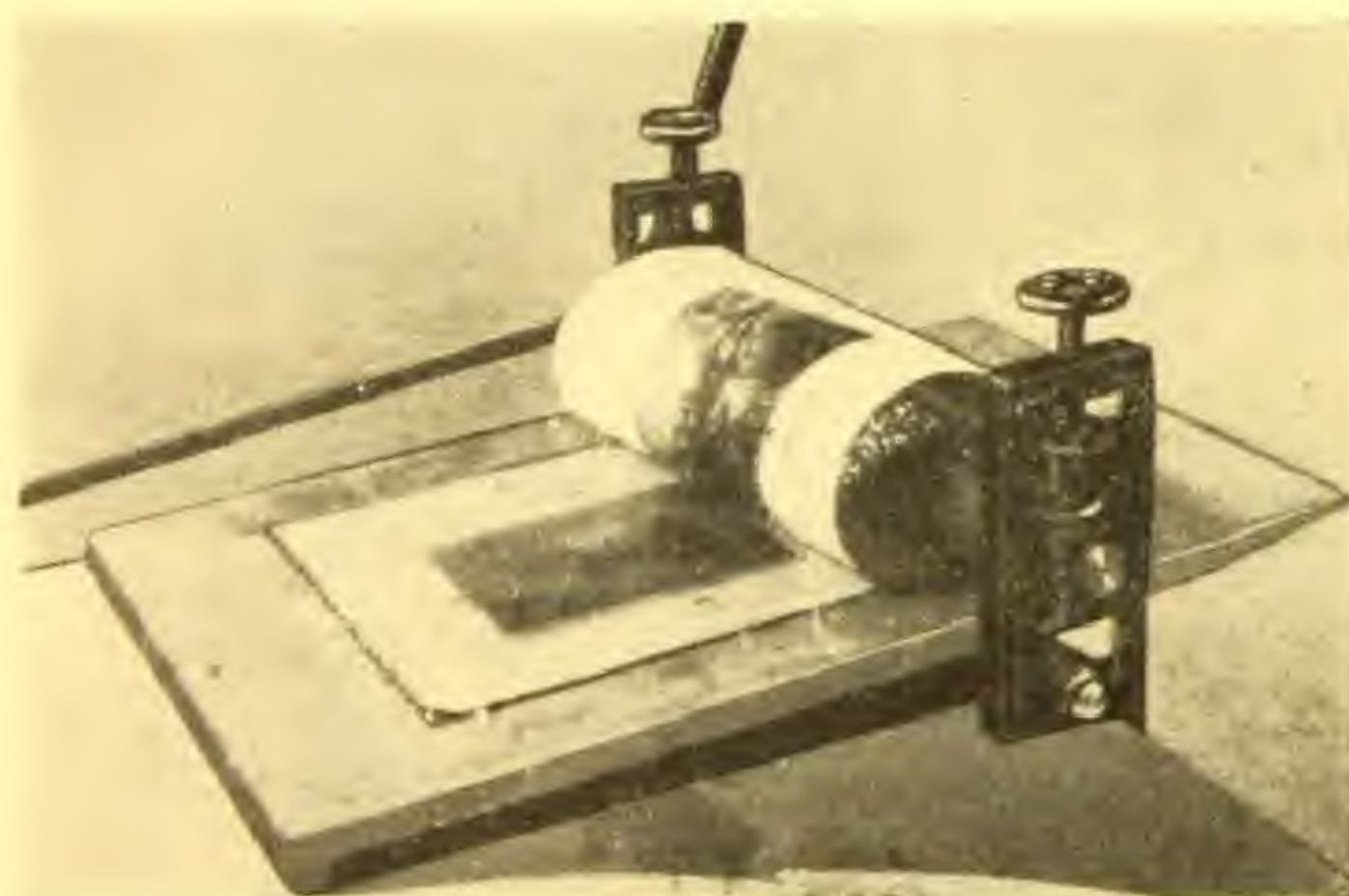
Bottom roll is driven by a 2 to 1 ratio to obtain perfect registration.

Pressure Bar is of chromed nicked steel.

A dial is inscribed on Pressure handle, so that same pressure can be duplicated from time to time.

Price F.O.B. Factory, New Haven, Conn. \$250.00

LASZLO BROMOIL PRESS



The name "Bromoil" expresses the nature of this process, i.e. it changes a paper bromide print into an image of oil based printing ink, which can be made freely richer at certain spots. Thus a Bromoil—like the other colotype processes—expresses more the artistic personality of the printer than regular photographs.

Every paper photograph, silver bromide contact or projection print if it is fixed in a plain fixing bath without hardener, —after bleaching, drying and soaking can be inked up in oil inks using handrollers and stagfoot

brushes. From this original bromoil "matrix" used as a printing plate, perfect "bromoil transfer" impressions are printed on the Flatbed of the Laszlo Press.

The registering pins of the Flatbed make it possible to print multiple impressions from the same matrix, by printing them first with softer and afterwards with harder inks.

Roller 3" diameter, 16" long. Hard resilient rubber composition.

Flatbed—plywood steel covered both sides, 17" x 32", With Registering Pins—Max. Plate size 16" x 26".

Chase, plywood steel covered both sides; 17" x 27" Typehigh 0.918" recess. Maximum glass plate size:—11½" x 13½".

Complete Set, F.O.B. New York, with Instruction Books \$160.00

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Nickel Plated ferrules

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6	23/64	$1\frac{3}{8}$	1.00

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$\frac{1}{2}$ inch	\$1.40	\$2.20
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No. 3 each	1.30	No. 10 each	2.65
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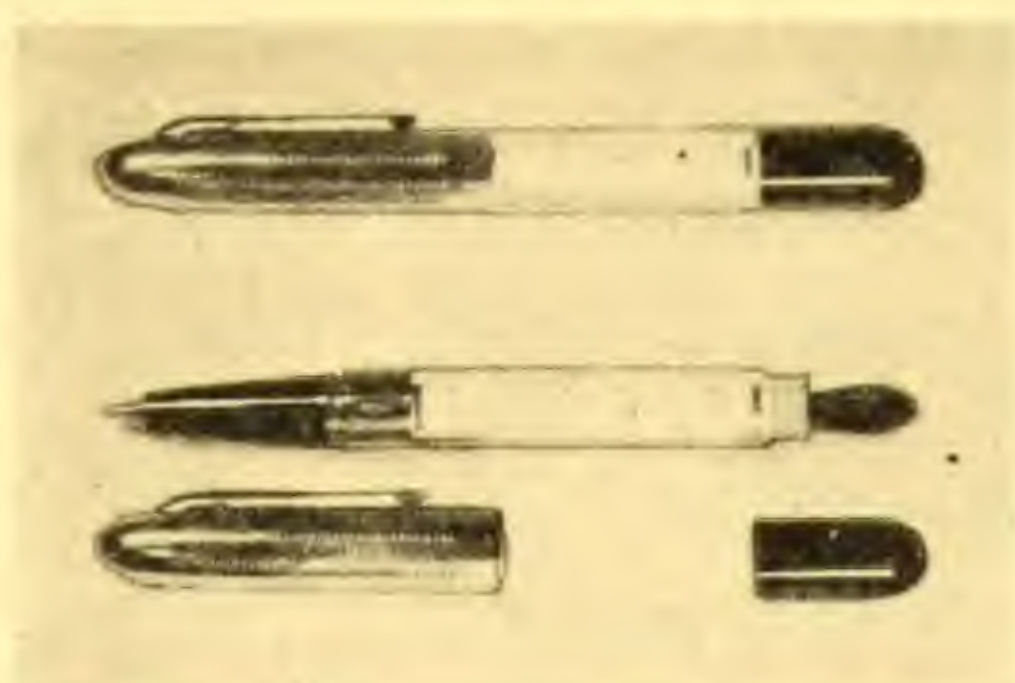


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A novel and handy item for Professional and Amateur alike. On one end is a ball point pen for which regular refills are available.

On the other end a red plastic cap is removed and you have a soft brush for lens dusting. When not in use this is kept protected and clean by the red cap that is screwed back on to the pen holder.

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The Lens Brush Pen is a very useful item which can be clipped in the pocket the same as any regular pen.

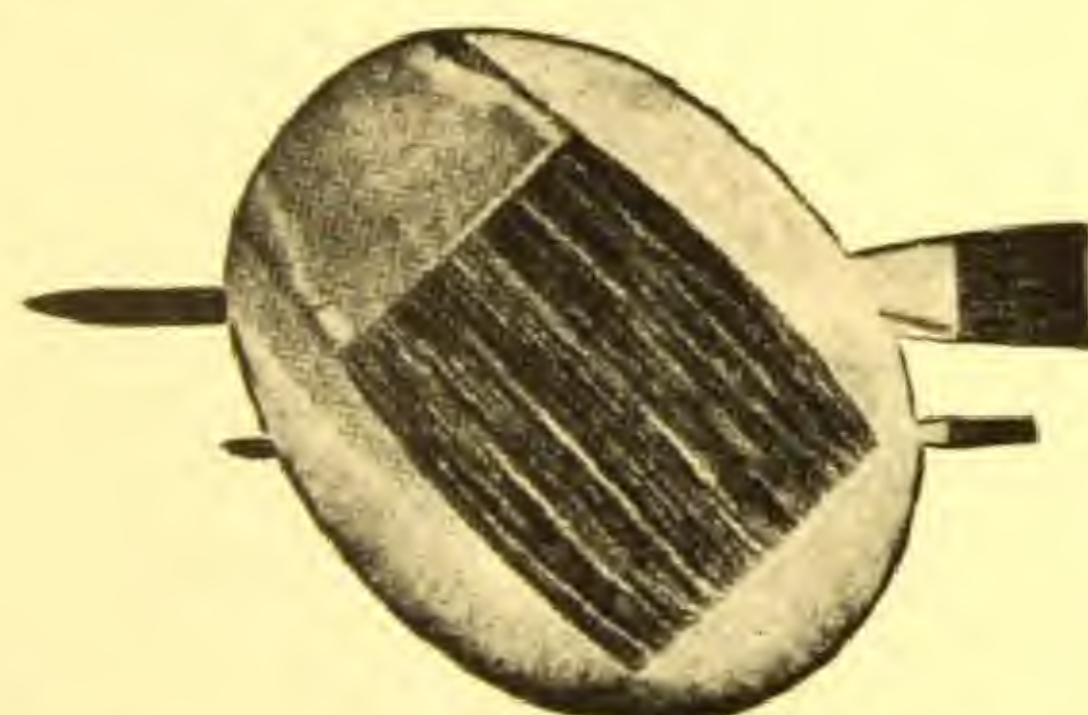
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Refills25 c.

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This brush is of flat construction to take in a large section of the negative with a single brushing. It is durably constructed with a leather handle and provided with a convenient eyelet for hanging up. Extreme soft camel hair will not scratch or mar the delicate surface of negative or plates. Width of brush 3 inches.

Price \$2.00



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Metal Ferrule

Long Handle

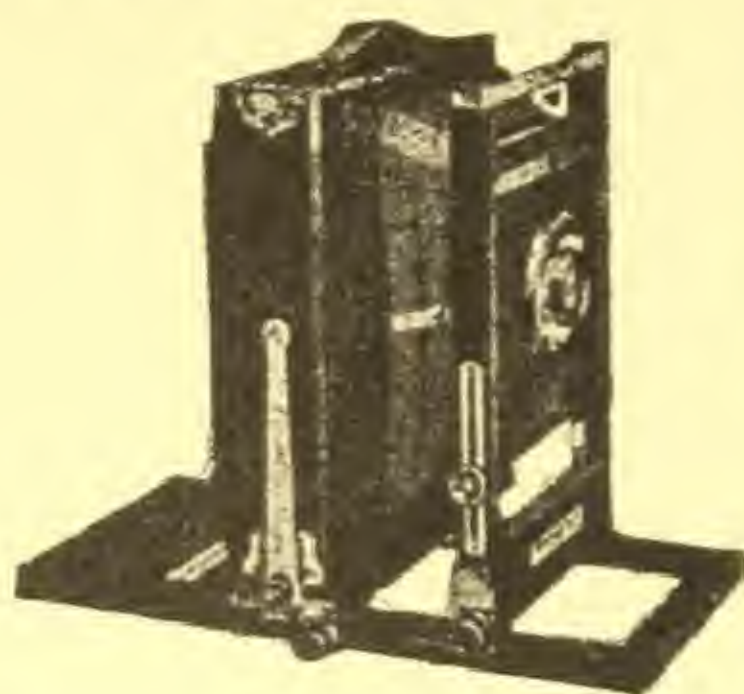
Size	Length of Hair	Price Per Dozen Asst.
1/8	11/16	\$7.70
1/4	3/4	8.60
3/8	15/16	12.00
1/2	1	16.25
5/8	1 1/8	21.40
3/4	1 1/4	27.35
1	1 7/16	40.20



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Set in Rubber, bound in metal suitable for dusting film holders, cameras or similar work.

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2 inches	1.10



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Walnut finish, metal parts nickel plated, reversible back, spring acting pivoted ground glass frame, double swings, rising and falling front with rack and pinion, sliding panel in back, detachable lens boards, bed brace, automatic back stop, leatherette bellows lined with rubber cloth.

	4 x 5	5 x 7	8 x 10
Lens boards	4 x 4	4 1/2 x 4 1/2	6 x 6
Bellows length	20 in.	24 in.	32 in.
Weight	4 1/2 lbs.	5 1/2 lbs.	9 lbs.
4 x 5 — \$42.50	5 x 7 — \$46.75	8 x 10 — \$55.25	
4 x 5 Korona Commercial View Camera			\$46.75
5 x 7 Korona Commercial View Camera			55.25
8 x 10 Korona Commercial View Camera			59.50

Holders extra

Film Holders

4 x 5 — \$4.00	5 x 7 — \$4.95	8 x 10 — \$7.45
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BEACON CAMERA

Takes 2 on 127 size Film

Temperature-resistant case, molded in black plastics. Handsome pebbled leather effect, smartly trimmed in chrome metal.

Scientifically-designed 46 mm WHITAR periscopic lens system. Fully color corrected.

High-transmission lens coating increases speed, gives sharper, crisper results. All four surfaces of lens are coated.

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Shutter speed—1/50th second, or time exposure.

Safety lock prevents shutter release until shutter box is extended—fewer spoiled snapshots.

Built-in tripod socket for easy mounting.

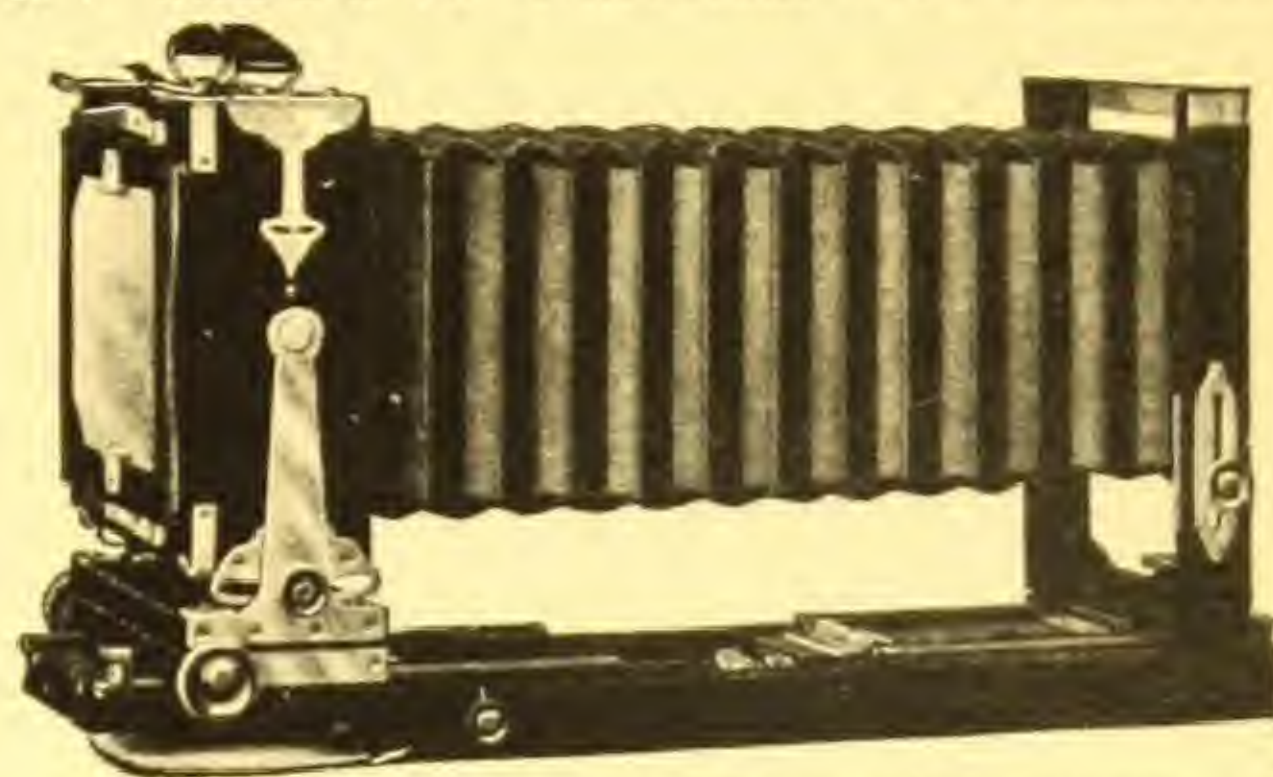
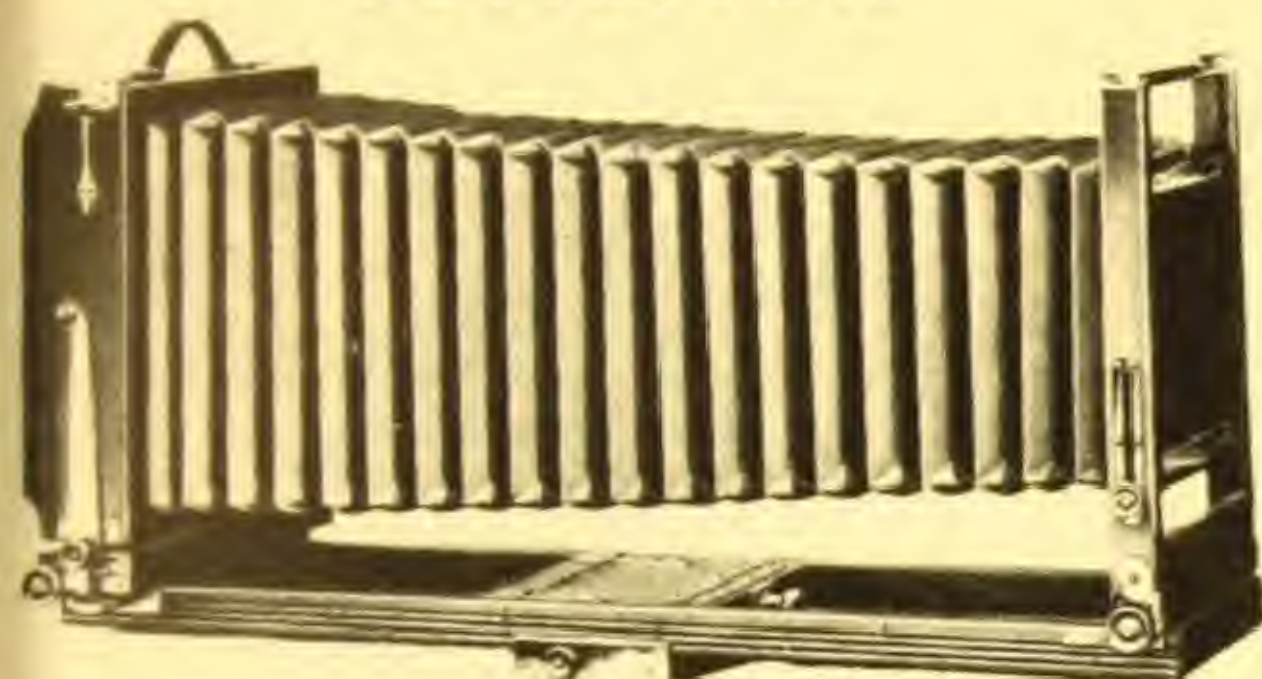
Eveready case is made of long-lasting simulated brown leather. Beautyfully styled . . . waterproof . . . wear resistant. Comes with top grain real leather carrying strap.

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Eastman View Camera No. 2D
5 x 7 and 8 x 10

5 x 7" and 8 x 10" Universal View Cameras



DIMENSIONS of the Kodak View Camera 2D x 10, closed, are 15 $\frac{1}{8}$ x 13 x 5 $\frac{7}{8}$ inches; weight, 21 lbs. 6 $\frac{3}{4}$ ozs.; the 5 x 7 Camera, closed, 12 x 9 $\frac{7}{8}$ x $\frac{1}{4}$; weight, 8 lbs. 11 $\frac{3}{4}$ ozs.

These are the new Ansco view cameras which have received so much favorable comment at conventions and elsewhere. They were designed in response to a general demand for new equipment of this type incorporating better features with greater rigidity and strength. Equipped with tilting front.

Specifications

	5x7	8x10
Maximum focal capacity.....	20 $\frac{1}{2}$	26 $\frac{1}{2}$
Minimum focal capacity.....	4	4
Size of lens boards.....	5x5	7 $\frac{1}{2}$ x7 $\frac{1}{2}$

VIEW CAMERAS

	4 x 5	5 x 7	8 x 10
AnSCO Universal View with case		126.77	152.94
AnSCO Universal View without case		111.89	137.21
Eastman View, 33A with film or plate holder without case		63.75	
Kodak View 2D with case		123.25	148.75
Kodak View 2D without case		108.80	133.45
Korona View without case	42.50	46.75	55.25
Korona Commercial View without case	46.75	55.25	59.50
Korona Pictorial without case (new model)....		63.75	80.33
Korona Home Portrait without case		40.80	48.25
B. & J. Commercial View without case	64.50	74.50	99.50
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picture-in-a-minute camera

Imagine the pleasure of having beautiful, lasting pictures . . . 60 seconds after the shutter snaps . . . for all to enjoy on Christmas morning, and on all the holidays and trips and parties down through the years!



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Brownie Cameras



Baby Brownie Special Camera

A featherweight snaphooter with fixed-focus lens and enclosed eye-level view finder. Makes wonderful snaps on Kodak 127 Film; negatives $1\frac{5}{8} \times 2\frac{1}{2}$. Ideal for beginners. **\$2.75.**



Brownie Hawkeye Camera

Trim new Brownie Camera, this box-type model with up-to-the-minute styling. Oversize finder; steady-shooting shutter release in body. Negatives $2\frac{1}{4} \times 2\frac{1}{4}$ on Kodak 620 Film. **\$5.50.**



Brownie Target Cameras

World-famous box cameras in two popular models. So easy to use—just aim and shoot. The "Six-20" makes $2\frac{1}{4} \times 3\frac{1}{4}$ negatives. **\$5.75.** The "Six-16" makes $2\frac{1}{2} \times 4\frac{1}{4}$ negatives. **\$6.95.**



Brownie Reflex Camera

Smart twin-lens camera with big reflex finder that "previews" the picture. Pre-focused lens. Negatives $1\frac{5}{8} \times 1\frac{5}{8}$ on Kodak 127 Film. Camera, **\$10.95.** Flashholder, **\$4.03.**

Kodak Flash Bantam f/4.5 Camera

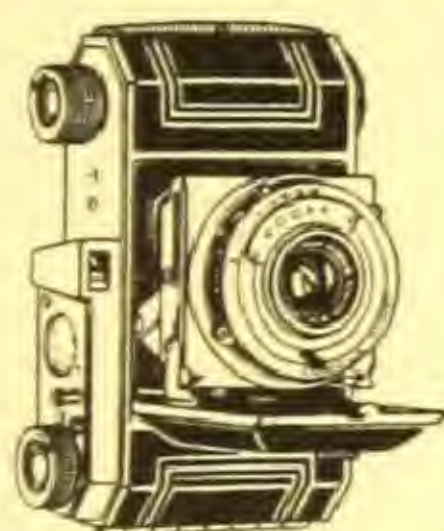
THIS is really a miniature. Palm-size, pocket-size, it weighs but 13 ounces, measures 4 $\frac{5}{8}$ inches. Takes 8 exposures on black-and-white Kodak 828 Films or Kodachrome 828 Film. Lens is superbly corrected Kodak Anastar Lumenized f/4.5. Shutter stops action at 1/200. Flash synchronization is built in. Has automatic film stop, body shutter release, strong die-cast body. It's the "mighty midget."



Kodak Flash Bantam f/4.5 Camera..... \$49.50
Field Case..... 5.50

Kodak Retina I Camera

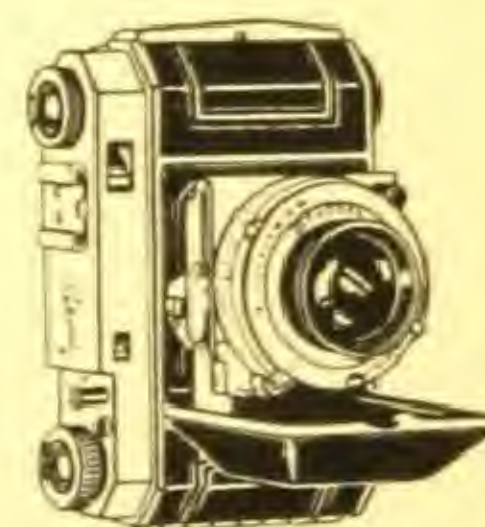
COMPACT convenience, fine quality, and moderate cost are combined in this folding 35mm. camera. The lens is a coated f/3.5 in an action-stopping 1/500 shutter. Built-in operating conveniences include automatic film stop, exposure counter, and double-exposure prevention. Takes black-and-white Kodak 135 Films or Kodachrome 135 Film, 20 or 36 exposures. A handsome, precise miniature.



Kodak Retina I Camera..... \$72.75
Field Case..... 9.50

Kodak Retina II Camera

UNUSUAL scope sums up this miniature. The 6-element coated lens is an ultrafast f/2.0... mounted in a speedy 1/500 shutter. A single window combines view finder with the superimposed-image type coupled range finder. Operation of the film advance is automatic with film stop, exposure counter, and double-exposure prevention linked with the winding mechanism. Takes 20- or 36-exposure black-and-white Kodak 135 Films or Kodachrome 135 Film.



Kodak Retina II Camera..... \$197.75
Field Case..... 12.50

Kodak 35 Camera with Range Finder

AUTOMATIC controls on this fine camera really take a load off your mind. Range finder takes guesswork out of focusing. Film advance has interlocks for automatic film stop, shutter cocking, exposure counting, and double-exposure prevention. Lens is Kodak Anastar Lumenized f/3.5. Shutter is Flash Kodamatic 1/200 with built-in synchronization. Takes 20- or 36-exposure black-and-white Kodak 135 Films or Kodachrome 135 Film.



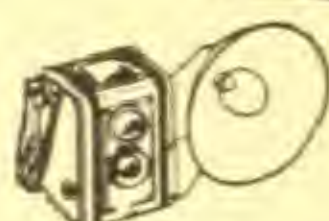
Kodak 35 Camera with range finder..... \$86.75
De Luxe Field Case..... 9.50

Kodak and Brownie Cameras



Brownie Flash Six-20 Camera

A favorite for indoor-outdoor picture making. Enclosed eye-level finder; two-position focusing lens; all-metal body. Kodak 620 Film; negatives $2\frac{1}{4} \times 3\frac{1}{4}$. Camera, \$11.75. Flashholder, \$2.92.



Kodak Duaflex Cameras

Brilliant finder shows the picture before it's snapped. Kodak 620 Film; negatives $2\frac{1}{4} \times 2\frac{1}{4}$. With fixed-focus Kodet Lens, \$12.75. With focusing Kodar f/8 Lens, \$19.85. Flashholder, \$3.33.

KODAK TOURIST CAMERA



new styling shows up in the nicely balanced, streamlined appearance . . . black Kodadur covering . . . molded Tenite top plate enclosing the eye-level view finder . . . and attractive metal trim. Rugged serviceability is engineered into the die-cast aluminum-alloy body. An ingenious new shutter release, set into the bed plate, insures steady exposures. Flash shots are sure and simple with synchronization built into the shutters on all models. Negatives are $2\frac{1}{4} \times 3\frac{1}{4}$, 8 per roll on black-and-white Kodak 620 Films, 6 on Kodacolor 620 Film. There's a lot for your money in these two economy models:

Kodak Tourist Camera with fixed-focus Kodet Lens in Flash Kodon Shutter.....	\$24.50
Kodak Tourist Camera with Kodak Anaston f/8.8 Lens in Flash Diomatic 1/100 Shutter.....	38.50
Kodak Tourist Camera with Kodak Anaston f/6.3 Lens in Kodak Flash Diomatic 1/100 Shutter.....	\$47.50
Kodak Tourist Camera with Kodak Anaston f/4.5 Lumenized Lens in Flash Kodamatic 1/200 Shutter	71.00
Kodak Tourist Adapter Kit.....	14.50
Kodak Service Range Finder.....	14.58

ALL LEICA PRODUCTS ARE FAIR-TRADED

Code Word	Cat. No.	ITEM	Price
LOOIT-B	65,089	Leica Camera IIIc with coated Summarit 50mm., F:1.5 Lens	\$472.50
LOOHW	65,090	Leica Camera IIIc without Lens	224.00
LOOKX-B	65,100	Leica Camera IIIc with coated Summarit 50mm., F:2 Lens	385.00
LOOPN-B	65,102	Leica Camera IIIc with coated Elmar 50mm., F:3.5 Lens	280.00
	65,103	Leica Camera IIIc with Elmar F:3.5 Wide Angle Lens	322.00
LOOSE	65,104	Leica Camera IIc without Lens	140.00
LOOSU-B	65,105	Leica Camera IIc with Summarit 50mm., F:2 Lens	297.50
LOOEL	65,106	Leica Camera IIc with coated Elmar 50mm., F:3.5 Lens	210.00
	65,107	Leica Camera IIc with Elmar F:3.5 Wide Angle Lens	252.00
LEMAX-CHROM	65,108	Standard Leica Camera with Elmar 50mm., F:3.5 Lens only	175.00
	65,109	Standard Leica Camera with Micro-Ibso Attachment	199.50
EKURZ-B	65,611	Elmar 35mm., Wide Angle F:3.5 Lens, coated, for Leica Cameras	123.20
ELMAR-B	65,622	Elmar 50mm., F:3.5 Lens, coated, for Leica Cameras	84.00
SOORE-B	65,645	Summarit 50mm., F:2 Lens, coated, for Leica Cameras	189.00
SOOIA-B	65,655	Summarit 50mm. F:1.5 Lens, coated, rigid lens mount, for Leica Cameras	280.00
SOOCX-A	65,665	Summarex, 85mm., F:1.5 coated Lens (when available)	472.50
ELANG-B	65,671	Elmar 90mm., F:4 Lens, coated, for Leica Cameras	155.40
ELANG-CHROM-B	65,671a	Elmar 90mm., F:4 Lens, Chrome coated, for Leica Cameras	164.50
LELXC	65,675	90mm., F:4.5 Lens, for Leica Cameras	115.50
LELCP	65,685	127mm., F:4.5 Lens, coated, for Leica Cameras	171.50
HEFAR-B	65,691	Hektor 135mm., F:4.5 Lens, coated, for Leica Cameras	236.60
TOOLP-B	65,700	Leitz Telyt 200mm., F:4.5 Lens, with Sunshade and Mirror Reflex Housing and Cable Releases (when available)	392.00
PLOOT	65,720	Mirror Reflex Housing for Leica Cameras, with Focusing Screen, Double Magnifier, and Double Cable Release	157.50
POORQ	65,721	Double Cable Release for Mirror Reflex Housing	17.50
ORAKO-CHROM	65,922	Orange Filter for Range-finder, for Leica Cameras, Models II, III, IIIa	3.15
OKARO	65,925	Orange Filter for Range-finder for Leica Cameras, Models IIIb, IIIc, and IIc	3.15



ANSCO PANDA CAMERA

A twin lens type reflex camera, constructed of durable plastic.—Takes $12\frac{1}{4}'' \times 2\frac{1}{4}''$ exposures on standard 620 size film. No focusing required, when the subject is framed in the brilliant $1''$ sq. finder, just trip the shutter and the picture is yours.

Price, including Excise Tax only \$4.89

ANSCO CLIPPER CAMERA

An inexpensive, practical roll film camera. Takes $16\frac{1}{8}'' \times 2\frac{1}{4}''$ exposures on standard 616 size film. Compact, Lens section snaps back into camera proper when not in use. Durable, metal and plastic construction. Complete with double lens and eye-level view finder.

Price, including Excise Tax \$9.95



BOLSEY B-2...Fast f3.2 coated, color-corrected Anastigmat lens. Flash synchronization and coupled rangefinder built-in. Depth-of-Focus and Film-in-Camera Indicators. Speeds up to $1/200$ th. \$66.90, Fed. Tax Incl.



BOLSEY B...f3.2 Anastigmat lens, coated, color-corrected. Built-in coupled rangefinder. Easy to synchronize for flash. Speeds up to $1/200$ th. \$55.90, Fed. Tax Incl.

GRAPHIC and GRAFLEX Cameras

CENTURY GRAPHIC CAMERAS

with film receptacle, focusing panel, and coated lens indicated



Focal Length Approx. Equivalent Lens Speed Shutter

2 1/4 x 3 1/4 Century GRAPHICS with GRAFLOK Back

EXCLUDING OPTICAL VIEWFINDER

103 mm.	4 1/8"	Trioptar	f/4.5	cs	With Cat. #1212 sheet film holder	CY-71	\$ 99.50
103 mm.	4 1/8"	Trioptar	f/4.5	cs	With Cat. #1246 roll film holder	CY-713	115.40

INCLUDING OPTICAL VIEWFINDER INSTALLED

103 mm.	4 1/8"	Trioptar	f/4.5	cs	With Cat. #1212 sheet film holder	CY-70	106.50
103 mm.	4 1/8"	Trioptar	f/4.5	cs	With Cat. #1246 roll film holder	CY-703	122.40
101 mm.	4"	Kodak Ektar	f/4.5	gss	With Cat. #1212 sheet film holder	CY-724	137.50
101 mm.	4"	GRAFLEX Optar	f/4.5	gxs	With Cat. #1212 sheet film holder	CY-734	146.25

PACEMAKER GRAPHIC CAMERAS with one holder, focusing panel, and coated lens indicated

Focal Length	Approx. Equivalent	Lens	Speed	Shutter	Cat. No.	Price	Cat. No.	Price
2 1/4 x 3 1/4 GRAPHICS with GRAFLOK Back					Crown Graphic "23"		Speed Graphic "23"	
101 mm.	4"	GRAFLEX Optar	f/4.5	gxs	C-734	\$170.25	S-734	\$208.25
101 mm.	4"	Kodak Ektar	f/4.5	gss	C-724	161.50	S-724	199.50
105 mm.	4 1/8"	Kodak Ektar	f/3.7	gss	C-754	194.35	S-754	232.35

2 1/4 x 3 1/4 GRAPHICS with GRAFLEX Back					Crown Graphic "23"		Speed Graphic "23"	
101 mm.	4"	GRAFLEX Optar	f/4.5	gxs	CX-731	\$161.25	SX-731	\$199.25
101 mm.	4"	Kodak Ektar	f/4.5	gss	CX-722	152.50	SX-722	190.50
105 mm.	4 1/8"	Kodak Ektar	f/3.7	gss	CX-75	185.35	SX-75	223.35

3 1/4 x 4 1/4 GRAPHICS with GRAPHIC or GRAFLEX Back					Crown Graphic "34"		Speed Graphic "34"	
135 mm.	5 1/4"	GRAFLEX Optar	f/4.7	gxs	C-83	\$179.35	S-83	\$217.35
135 mm.	5 1/4"	GRAFLEX Optar	f/4.7	gxx	C-831	161.85	S-831	199.85
127 mm.	5"	Kodak Ektar	f/4.7	kxs	C-857	161.50	S-857	199.50
152 mm.	6"	Kodak Ektar	f/4.7	kxs	C-862	186.00	S-862	224.00

4 x 5 GRAPHICS with GRAPHIC or GRAFLEX Back					Crown Graphic "45"		Speed Graphic "45"	
***135 mm.	5 1/4"	GRAFLEX Optar	f/4.7	gxs	C-93	\$185.35	S-93	\$225.35
***135 mm.	5 1/4"	GRAFLEX Optar	f/4.7	gxx	C-931	167.85	S-931	207.85
***127 mm.	5"	Kodak Ektar	f/4.7	kxs	C-957	167.50	S-957	207.50
152 mm.	6"	Kodak Ektar	f/4.5	kxs	C-962	192.00	S-962	232.00

For GRAFLEX Back Insert the letter X in Cat. No.; e.g. SX-831; GRAFLEX Focusing Panel Included.

***Although 6" approximates the diagonal of a 4 x 5 negative, many news photographers and other GRAPHIC users prefer the greater angular coverage and depth of field of 127 mm and 135 mm lenses (5" and 5 1/4") stopping down to make the corners sharp or ignoring the slight unsharpness at the corners at full aperture. The same is true of 11.5 cm (4 1/2") lenses on the 3 1/4 x 4 1/4 GRAPHIC Cameras.

Shutter Symbols: gxs—Graphex Shutter with built-in synchronization.
gxx—Graphex (X) Shutter.

gss—Supermatic Shutter with built-in synchronization
kxs—Supermatic (X) Shutter.
cs—Century Shutter.

ACCESSORIES FOR GRAPHICS

RANGEFINDERS AND ACCESSORIES

Cat. No.		Price
3140	Kalart Prism Rangefinder for Century and Pacemaker GRAPHICS, installed (Specify Camera and Lens)	\$41.50 Δ
3173	Kalart Focuspot Model A-1 for Use with GRAFLITE Battery Case	15.25 Δ
3301	Hugo Meyer Series P Rangefinder for GRAPHIC "34" and "45" installed (Specify Camera and Lens)	41.50
3373	Hugo Meyer Focalite, for Series P Rangefinders and GRAFLITE Battery Case	15.00

GRAFLITE MOUNTING PLATES AND BRACKETS FOR GRAPHIC CAMERAS

Cat. No.		Price
2753	Rangefinder Encircling Bracket for Pacemaker "34's" and "45's" with rangefinder	2.65
2755	Mounting plate for Pacemaker GRAPHICS without rangefinder	2.10
2758	L-Bracket for GRAPHIC Cameras not readily accepting 2754, 2753 or 2755.	2.80

GRAFLITE FLASH EQUIPMENT

Unit for Shutters with Built-in Synchronization

	Cat. No.	Model	Price
2-cell with 5" reflector	2725	GRAFLITE No. 25 Unit	\$25.95 † Δ
2-cell with 7" reflector	2727	GRAFLITE No. 27 Unit	24.95 †
3-cell with 5" reflector	2735	GRAFLITE No. 35 Unit	27.45 †
3-cell with 7" reflector	2737	GRAFLITE No. 37 Unit	26.45 †

†Does not include Cord or mounting plate

Complete Synchronizers for Shutters Utilizing Solenoid Synchronization

	Cat. No.	Model	Price
		(Price Includes Installation)	
2736	GRAFLITE No. 35 Synchronizer		\$42.15 *
2738	GRAFLITE No. 37 Synchronizer		41.15 *

*Includes installation but no mounting plate.

Ciro-flex

2 1/4" x 2 1/4" Roll Film

REFLEX CAMERA

with synchromatic shutter
for improved
flash photography

No external synchronizers are required with the new *Ciro-flex*. You just connect your flash gun to the convenient receptacle on the camera, then trip the shutter just as you would for normal daylight photography. Has f3.2 viewing lens, f3.5 taking lens and gives you a print-size preview of every picture you take.

MODEL D (Illustrated)

With Alphax Synchro Shutter,
Speeds from 1/10th to 1/200th.

\$83.50

MODEL E

With Rapax Synchro Shutter,
Speeds from 1 sec. to 1/400th.

\$113.70

ALSO AVAILABLE

MODEL B

With Alphax Shutter. Speeds
from 1/10th to 1/200th.

\$76.98

MODEL C

With Rapax Shutter. Speeds
from 1 sec. to 1/400th.

\$99.45

NEW MODEL F

Equipped with Wollensak Full Synchromatic Rapax Shutter. Speeds from 1 to 1/400 of a second. (Has f3.2 viewing lens and f3.2 taking lens.)

\$148.75



CIRO 35 35MM CAMERA

The new precision-built *Ciro 35* brings you features usually found only in much higher-priced cameras. It is equipped with the famous Wollensak Alphax shutter with built-in Flash Synchronization, full 50mm (2-inch) lenses, coated high-speed color-corrected optics. The split image coupled range finder gives you better focusing for clearer, sharper pictures.

With f4.5 lens . . . **\$49.50**

Also available with f3.5 lens at . . . **\$59.50**

Ciro-flash . . . **7.85**

Eveready carrying case . . . **7.50**

ACCESSORIES

MODELS B-C-D-E-*F

(*Model F Takes Special Sunshade)



Carrying Case **\$8.50**



Ciro
Shade
with Case
\$3.20



Stainless Steel
Twin Lens
metal cap
\$1.50



Cable
Release
98c



8 mm CAMERAS *Keystone*

K-40 8mm MAGAZINE CAMERA

with f/2.5 Coated Wollensak Lens.....	\$ 99.50
with f/1.9 Coated Fixed Focus Lens	109.50
with f/1.9 Coated Wollensak Focusing Mount	124.50

K-45 8mm MAGAZINE TURRET CAMERA

with f/2.5 Coated Wollensak Lens.....	118.50
with f/1.9 Coated Wollensak Focusing Mount	143.50

K-22 8mm CAMERA - SPOOL LOAD

with f/2.5 Coated Wollensak Lens.....	\$ 67.50
with f/1.9 Coated Fixed Focus Lens.....	77.50
with f/1.9 Coated Wollensak Focusing Mount Lens.....	92.50

K-36 8mm CAMERA - SPOOL LOAD

with f/3.5 Coated Fixed Focus Lens.....	49.95
with f/2.5 Coated Lens.....	54.95
with f/1.9 Coated Fixed Focus Lens.....	69.95

8 mm CARRYING CASES

No. 645 Combination Carrying Case For K-45 or K-50 Magazine Camera, Film and Accessories.....	\$16.50
No. 640 Holster For K-40 Magazine Camera.....	7.50
No. 642 Holster For K-22, K-36 and K-8 Cameras.....	7.50
No. 644 Candid For K-22, K-36 and K-8 Cameras.....	8.75

16 mm CAMERAS

K-50 16mm MAGAZINE CAMERA

with f/2.5 Coated Wollensak Lens.....	\$114.50
with f/1.9 Coated Wollensak Focusing Mount Lens.....	146.00

A-12 16mm TURRET CAMERA - SPOOL LOAD

with f/2.5 Coated Wollensak Lens.....	\$ 98.00
with f/1.9 Coated Wollensak Focusing Mount Lens.....	129.50

A-9 16mm CAMERA - SPOOL LOAD

with f/2.5 Coated Wollensak Lens.....	74.50
with f/1.9 Coated Wollensak Focusing Mount Lens.....	106.00

A-7 16mm CAMERA - SPOOL LOAD

with f/3.5 Coated Wollensak Lens.....	64.50
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16 mm CARRYING CASES

No. 675 Combination Carrying Case For K-50 Magazine Camera, Film and Accessories	\$16.50
No. 650 Holster For K-50 Magazine Camera	10.00
No. 622 Holster For A-7 Camera	10.00

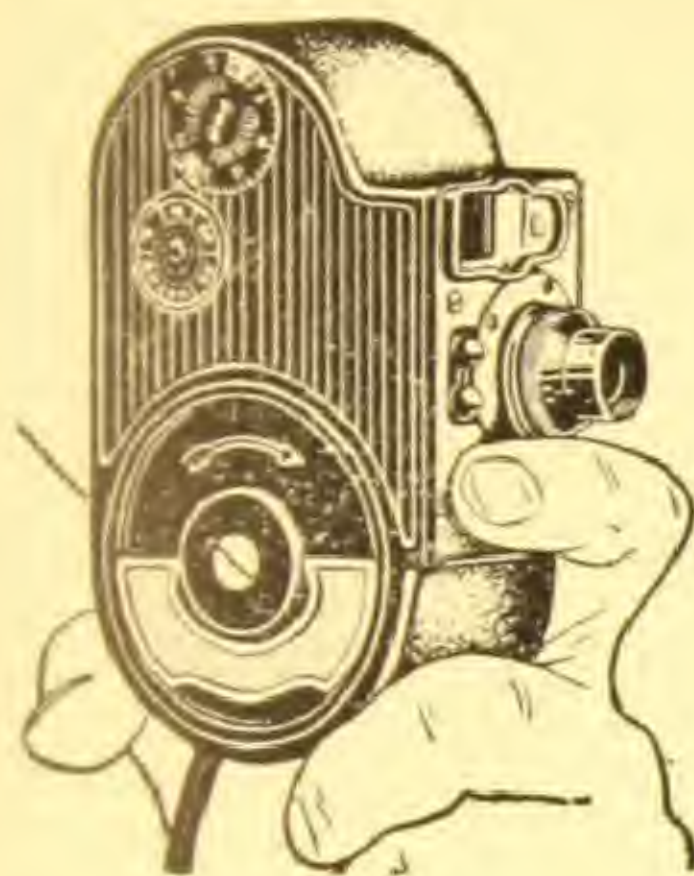
8MM CAMERAS**REVERE**

	Stock No.	
8mm Ranger Model Spool Type Camera		
With F2.5 coated lens	C81	\$62.50
With F1.9 coated lens focusing mount	C82	87.50
Model 88 Camera		
With F2.5 coated lens 1/2 inch	C87	74.50
With F1.9 coated lens 1/2 inch focusing mount	C86	99.50
With F3.5 coated lens 1 1/2 inch telephoto focusing mount	C15	99.50
Model 99 Turret Type Camera		
With 1/2 inch F2.8 coated lens	C99	99.50
With 1/2 inch F1.9 coated lens focusing mount	C97	122.50
8mm Magazine Camera		
Deluxe camera with 1/2 inch F2.8 coated lens	C70	122.50
Deluxe camera with 1/2 inch F1.9 coated lens focusing mount	C71	145.00
With 1/2 inch F2.5 coated lens	C77	87.50
With 1/2 inch F1.9 coated lens universal focus (fixed)	C79	94.50
With 1/2 inch F1.9 coated lens focusing mount	C78	112.50
8mm Turret Type Magazine Camera		
With 1/2 inch F2.8 coated lens (2 lens Turret)	C67	104.50
With 1/2 inch F1.9 coated lens focusing mount (2 lens Turret)	C68	129.50
Deluxe model with 1/2 inch F2.8 coated lens (3 lens Turret)	C60	147.50
Deluxe model with 1/2 inch F1.9 coated lens focusing mount (3 lens Turret)	C66	177.50

FILMO COMPANION 8MM.

Designed and built to Bell & Howell standards by the same engineers who produce B & H professional and 16mm. equipment, the Filmo 8 Cameras produce the finest of 8mm. movies. Smallest and lightest of movie cameras, the Filmo 8 measures only 1 3/4 x 3 x 5 inches, and weighs only 24 ounces, yet offers four film speeds, instant lens interchangeability, built-in spy-glass view finder, and many other desirable features. Equipped with f3.5 B & H lens.

Price



Filmo Auto-8 . . . Loads in an instant with pre-threaded 8mm film magazines, color or black-and-white. "Swiftturn" 2-lens turret on which matched finder objectives ride around with the lenses prepares you for split second shift from near to distant scenes. Five "Filmotru" speeds: 16, 24, 32, 48, and 64 frames per second. Lens-setting guide, single picture release, "selfoto" lock, "audivisual" film meter and many other Auto-8 features assure top-quality movies.

Flick of Swiftturn 2-lens turret gives split-second shift from long shots to closeups with automatic po-

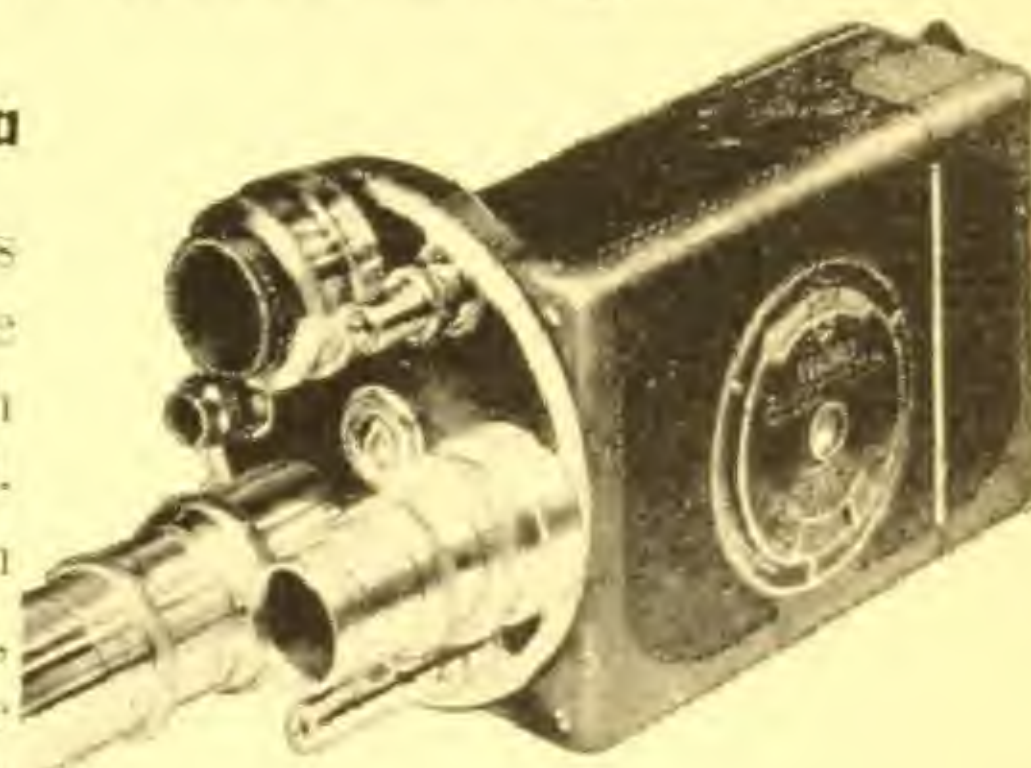
sitioning of viewfinder. Magazine-loading. Light, compact. With Filmocoted f/2.5 lens only, now \$174.42.

Cine-Kodak RELIANT Camera

TRIM, smartly styled, it's Kodak's newest movie maker. Loads easily with low-cost 8mm. black-and-white or Kodachrome Film . . . no threading. Has fast,

fixed-focus f/2.7 lens; indoor-outdoor exposure guide; slow motion; and other luxury features. A wonderful gift for the whole family.

Cine-Kodak Reliant Camera \$79.00



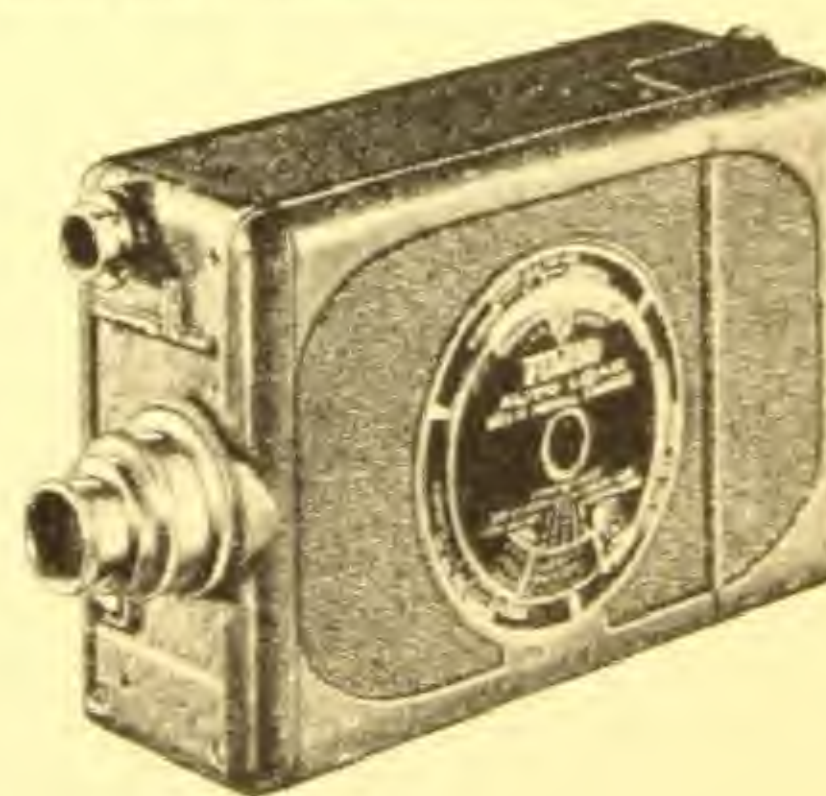
Cine-Kodak MAGAZINE 8 and 16 Cameras

HERE'S maximum convenience in 8mm. and 16mm. filming. Both models take black-and-white or Koda-

chrome Film in magazines. You can load in three seconds . . . switch films at any time. Ultrafast f/1.9 standard lens . . . interchangeable accessory lenses available, including telephotos. Choice of speeds includes slow motion. Built-in exposure guide. Choose the "8" for film economy . . . the "16" for big-as-life screen images plus the unmatched quality of its Cine Ektar f/1.9 Lens. Either one a gift to compliment the finest taste.

Cine-Kodak Magazine 8 Camera \$147.50
Cine-Kodak Magazine 16 Camera 175.00

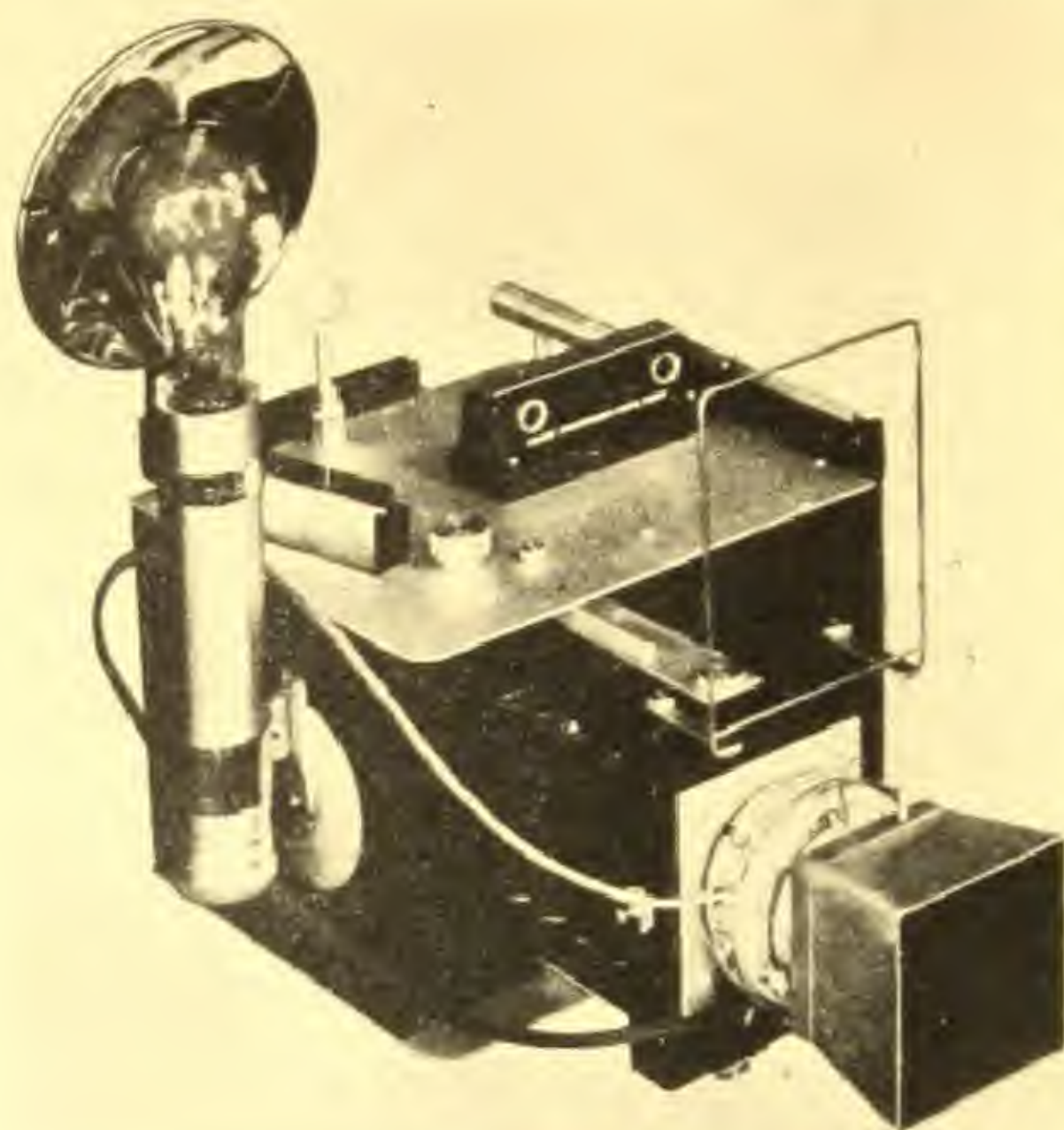
16mm Auto Master. Only 16mm magazine camera with turret head that automatically matches viewfinder to lens in use. Last word in 16mm field. With f/2.5 Filmocoted lens only, now \$222.51.



16mm Auto Load. All the fine quality of Auto Master without turret head. Lens easily interchangeable with other lenses. With Filmocoted f/2.5 lens, only \$162.50.

CURTIS COLOR CAMERA

Model 49 Scout 4 x 5



Model 49 Curtis Color-Scout 4 x 5 is a two mirror, direct color camera of the highest workmanship and precision, built of heat-stabilized acrylic resin and aircraft duralumin. The former achieves light weight while the latter insures complete rigidity. Camera stripped weighs but 5 pounds. Mirrors are the Curtis Diafon (pellicle) with Spectro-molecular coating achieving a light efficiency of 97 per cent. Lens board has vertical and horizontal swing producing extraordinary depth of focus at large aperture.

Speeds of from G. E. 16 to 48, exposures in sunlight of from 1/50 second at F/8 to 1/200 F/6.3 depending upon sensitive material and development. Tungsten (3200) light exposures of 1/5 sec. in ordinary studio lighting levels. Color fidelity of the highest quality known to the art. Lowest cost per exposure since ordinary panchromatic sheet film or film pack is used. Utmost simplicity in processing since negatives require only development, fixing and washing. Prints of finest illustration or exhibition quality up to 16 x 20 are virtually grainless. Made by modern dye transfer processes such as Curtis Permatone in less than an hour.

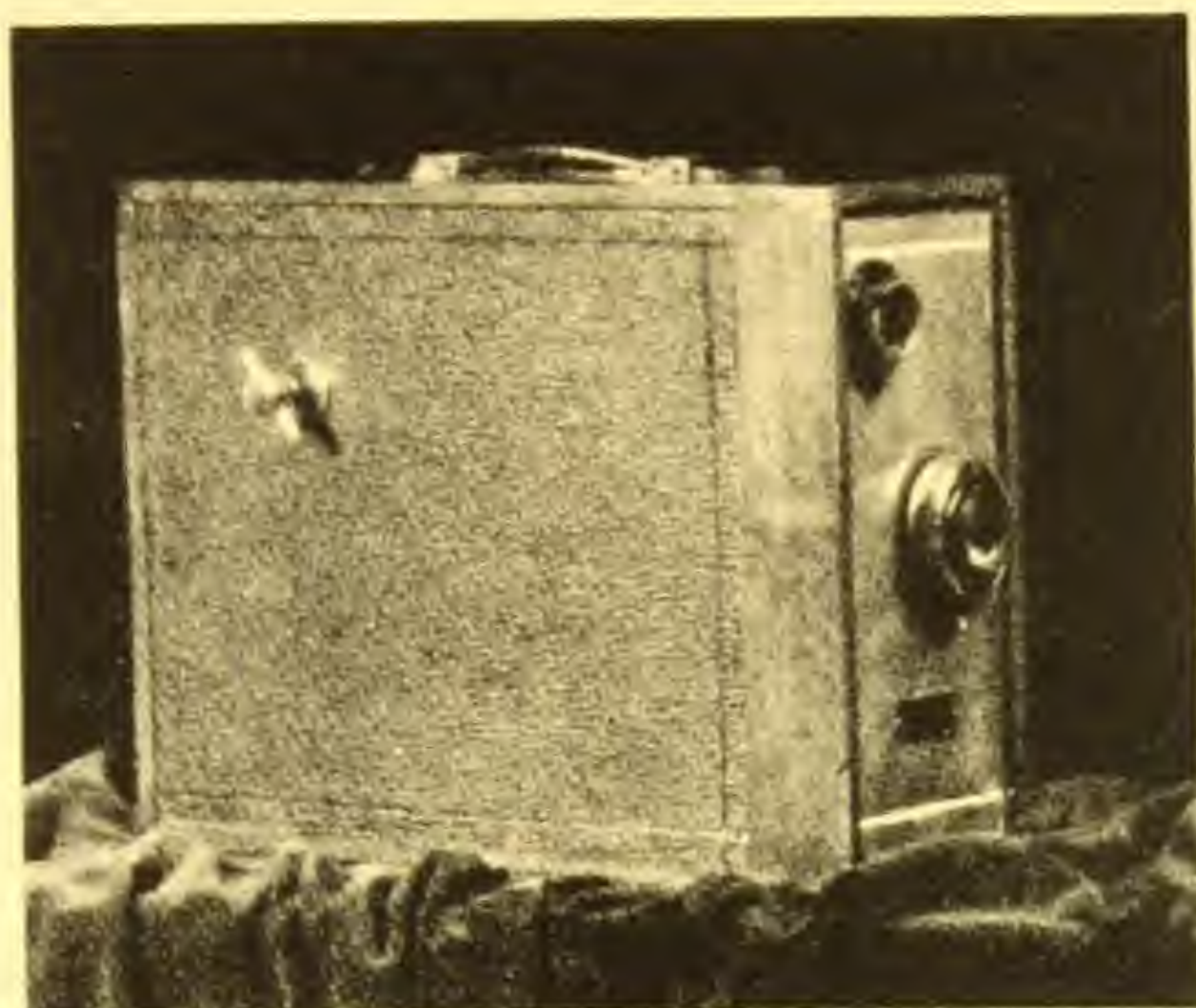
For fine grain and top quality, Kodak Super XX sheet film or film pack is recommended. Kodak's Tri-X sheet film produces maximum speed with grain sufficiently fine to be acceptable in 11 x 14 prints.

Maintenance Service. Every Curtis Color Camera is so designed that it may be rebuilt or modernized to keep pace with improvements in sensitive material and optical systems. Expert repair and maintenance men are kept ready to service your camera against accident or damage. All-risk Camera Insurance protects you from loss at a moderate yearly cost. Curtis Color Cameras may safely be carried in suitable carrying cases on airplanes, trains, boats, in the trunk of a car, on pack animals or just by hand. They are no more fragile than a good exposure meter and should be treated similarly.

Curtis Color-Scout 4 x 5 Chassis, less lens, with one set holders	300.00
Mounting and Testing customer's 8½ inch lens in shutter	10.00
Kodak Com'l Ektar 8½ in. F/6.3 in No. 3 Synchro Shutter, mounted	176.88
Custom-rebuilt Lens-coupled Rangefinder, factory mounted	75.00
Curtis Precision Viewfinder, factory mounted	25.00
Curtis Precision Film Pack Magazines with elevating pressure plates and matched, cemented Wratten A, B, C5 filters, per set of three	90.00
Curtis Precision Sheet Film Holders with matched, cemented Wratten A, B, C5 filters, per set of three	37.50
Flash Battery Case and Reflector, demountably mounted on camera ..	18.38
Custom-rebuilt Professional Lens Shade and Filter Holder for Ektar....	13.50
Fitted Compartment Carrying Case for Camera and Accessories	45.00

DUNKER SCHOOL CAMERA

35mm



Capacity, 200 feet unperforated 35 mm film. Negative size $1\frac{3}{8} \times 2\frac{1}{8}$ inches. About 900 negatives per roll. Any exposed portion may be removed without disturbing the remainder. The lens is Ilex Paragon f4.5 5-inch focus in Universal shutter 1 sec. to 1/100 sec.

There is an extra lens for the finder, which is built in the camera and the image is projected on a ground glass actual size for quick and accurate spacing. A Veeder counter registers every exposure. Fixed focus, the distance from lens to subject is about $4\frac{1}{2}$ feet. This is the latest camera, used by all the large operators in school work, and is the finest camera we ever built for that purpose.

Price \$165.00
With Synchro Shutter \$205.00

New Model 70mm Focusing Type

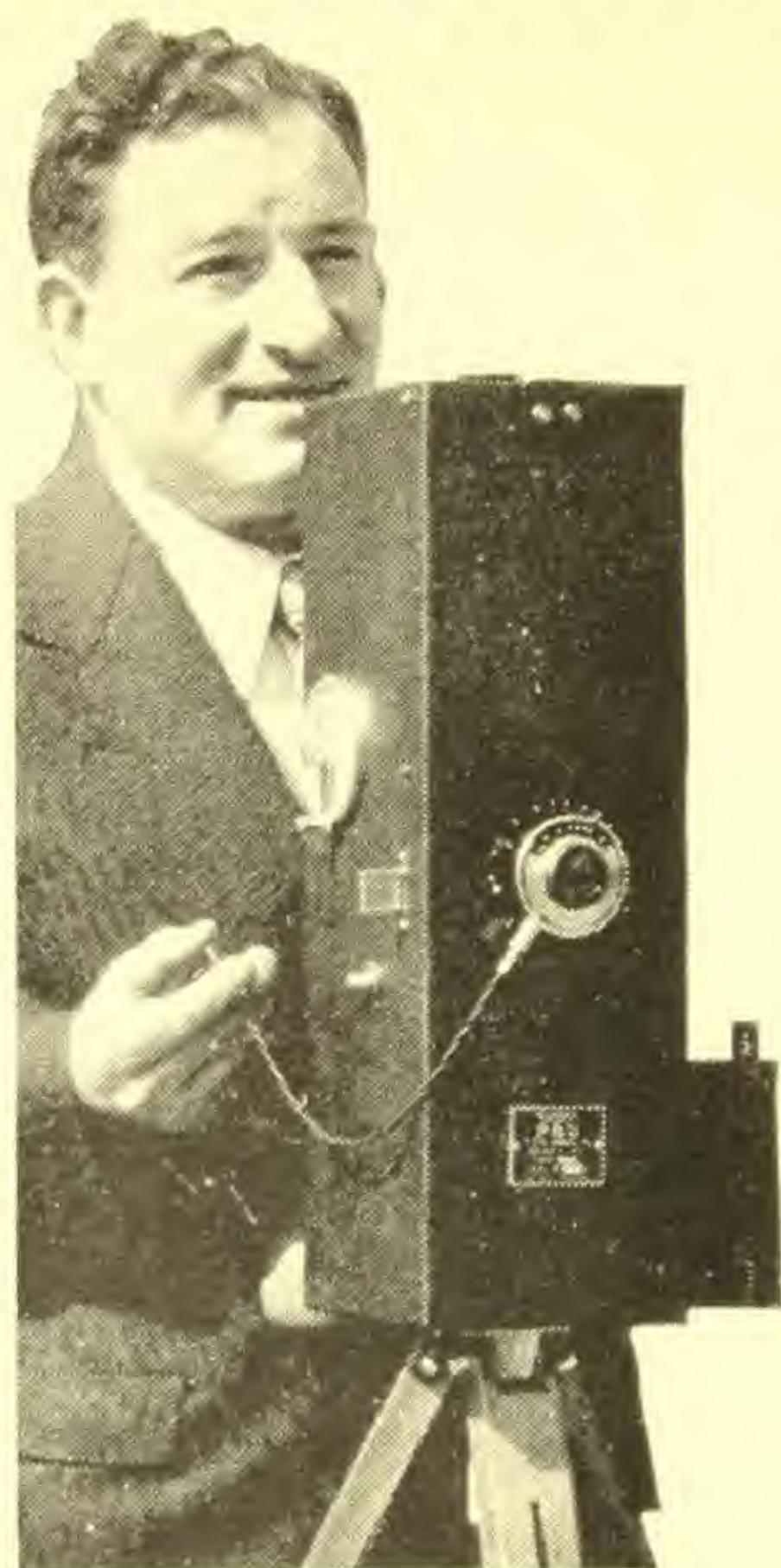
The Dunker New Model 70 mm focusing type has many advantages over the older models. The two matched Paragon f4.5 lenses remain stationary and the film carrier shifts to and from the lens for accurate focus. The film carrier also supports the ground glass, which is at the same distance from the lens as the film. The ground glass frame is floating and adjusts itself automatically for correct centering at all distances. The two lenses are of the same quality and are matched in focal length. The focusing lens remains open all the time and the other with shutter is ready at all times for making the exposure, therefore you can see the image on the ground glass while exposure is being made.



The two lenses are of the same quality and are matched in focal length. The focusing lens remains open all the time and the other with shutter is ready at all times for making the exposure, therefore you can see the image on the ground glass while exposure is being made.

Price with $7\frac{1}{2}$ -inch focus lens \$285.00
With Synchro Shutter \$325.00

P.D.Q. Model G "Quick-Photo" Machine

"PORTABLE PHOTO STUDIO"

The illustration shows the PDQ Model "G" MECHANICALLY OPERATED Photo Machine that TAKES and FINISHES Direct-Positive Photos in less than two minutes.

- Takes Black and White or Sepia Photos, size $2\frac{1}{2} \times 3\frac{1}{2}$ inches (bigger than half a post-card).
- Loads in DAYLIGHT. Enough for 100 nice large photos are loaded in HALF a MINUTE.
- A BIG MONEY MAKER — EVERYWHERE — OUTDOORS or INDOORS.
- Takes and Finishes 30 to 40 Photos an Hour!
- No human hand touches the photos until you remove them from developing chamber.

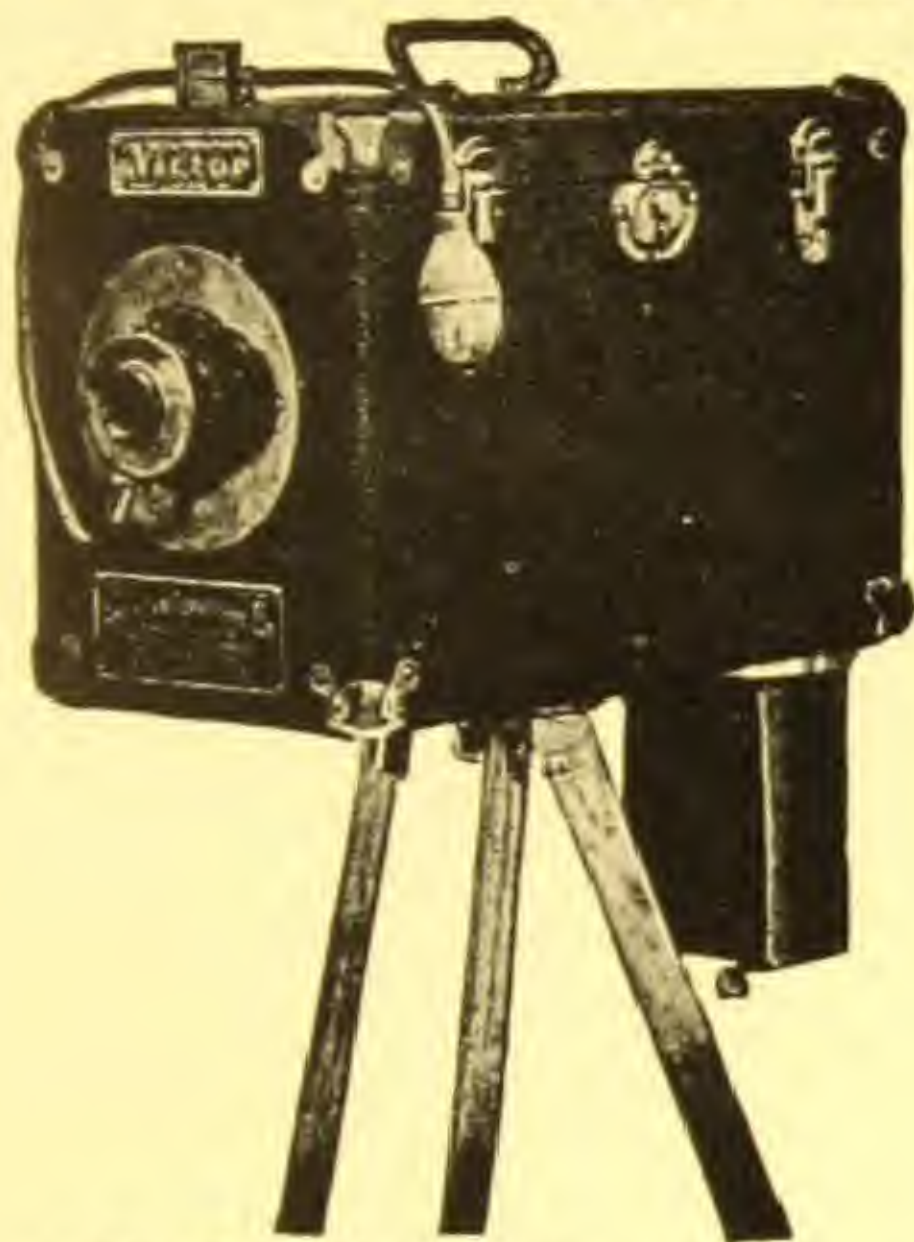
TUALLY MATERIALIZE right before their own eyes — in BROAD DAYLIGHT, in the P D Q OPEN AIR DEVELOPING UNIT. Nothing like it anywhere! No Competition.

Model G. PDQ Photo Machine, including F:4.5 lens. Weight 8 lbs. \$160.00

Daylight Loading Rolls of Direct Positive Paper—enough for 100 $2\frac{1}{2} \times 3\frac{1}{2}$ pictures 1.60

Set of PDQ Developing Powders—Quart size45

EAGLE TINTYPE AND QUICK FINISH CARD CAMERA No. 3



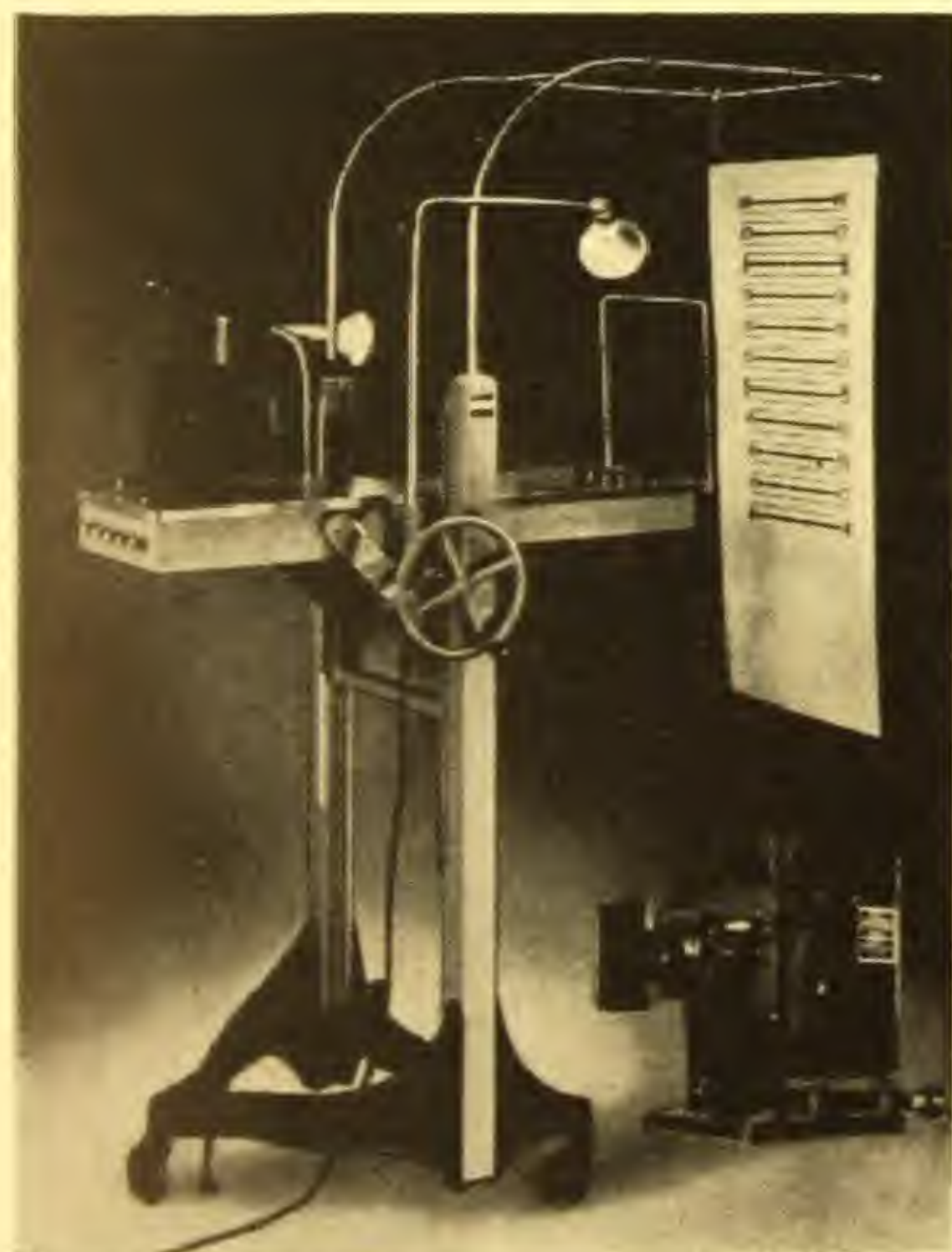
To fill the demand constantly being made upon us by some of our customers for a camera to take regular size cards in addition to the small sizes, we have introduced our new model the Eagle Camera No. 3 which takes tin plates and post cards sizes $1\frac{3}{4} \times 2\frac{1}{2}$; $2\frac{1}{2} \times 3\frac{1}{2}$.

The No. 3 Eagle Camera measures $8\frac{1}{2}$ inches and weighs 9 pounds. The lens is specially adapted to cut $2\frac{1}{2} \times 3\frac{1}{2}$ size cards as well as the smaller sizes, and makes sharp and clear pictures.

Complete outfit No. 3 Eagle Camera with enough supplies to make 500 pictures consists of:

1 No. 3 Eagle Camera	\$78.75
1 No. $2\frac{1}{2}$ Tripod	9.00
100 Black Back Cards $2\frac{1}{2} \times 3\frac{1}{2}$	per 100 3.00
100 Black Back Cards $1\frac{3}{4} \times 1\frac{1}{2}$	per 100 1.75
100 Mounts $2\frac{1}{2} \times 3\frac{1}{2}$	per 100 1.25
100 Mounts $1\frac{3}{4} \times 2\frac{1}{2}$	per 100 1.00
1 Developer	per lb. .45
1 Pair Tweezers .....	.75

GRAFLEX IDENTIFICATION UNIT



This was introduced to the public in 1940, the Graflex Identification Unit has greatly broadened its scope. At that time it was seen primarily as the answer to a need for multiple pictures of personnel in large industrial plants. Since then it has been found invaluable for copying work such as correspondence, drawings and other records; by the police for "mugging" criminals, students pictures for use in school year books as well as for Santa Claus pictures, Valentine, Easter and other special holiday pictures promotion in department stores and other high traffic locations.

The operating economy of this unit is as great as its time and processing savings. An experienced operator is not needed and the 35 mm. film in 50 and 100 foot rolls, which gives 8 negatives per foot, results in a great saving over the conventional identification pictures. The time element is minimized due to the focus and exposure remaining constant. Camera, light and identifying numbers move as a unit when adjusted for the height of the individual; subject centers themselves instantly with a small mirror, and a frame permits the operator to check their position.

The Graflex Identification Unit complete	\$535.00
Camera and Magazine are also available without stand	230.00

CENTURY MASTER STUDIO OUTFIT



Portrait and commercial photographers, well acquainted with Century performance, will instantly recognize the added utility and convenience with which this "Master" has been endowed. New and advanced features make it the finest Century Studio Outfit ever made.

All woodwork is of rich walnut finish, metal parts finished in brown lacquer. Camera has generous bellows draw which permits the use of long and short focus lenses. The stand has many new improvements, mainly increased tilting facilities. The forward tilt of the bed has been increased to 53 degrees and the backward tilt 6 degrees from horizontal. This permits extreme camera angles so often necessary in commercial and illustrative work. The stand has rigidity and balance irrespective of the angle at which the camera is used.

Century Master Studio Outfit, Complete with No. 1 Sliding

Ground Glass Carriage \$450.00

CENTURY MASTER STUDIO STAND

The entire construction of the Century Master Studio Stand has been streamlined, made more substantial and vastly more attractive in appearance.

In order that the operator of the studio camera may obtain maximum flexibility, the forward tilt of the bed has been increased to 53 degrees and the backward tilt 6 degrees from horizontal. This permits extreme angle shots so often necessary in commercial photography. Because of this increased tilt, camera retaining screws have been provided to secure the camera to the bed. Stand easily moved—with little effort. Its large over-size casters make this possible.

All wood work beautifully shaded walnut and all metal parts finished in a brown crackle tone.

Price \$160.00

SENSITIZED CANVAS

This is a heavy canvas material coated with photographic projection emulsion. Ideal for toning or hand coloring giving depth and texture of an oil painting.

Size	No. of Sheets per Package	Price Including Tax	Size	No. of Sheets per Package	Price Including Tax
8 x 10	25	\$10.54	16 x 20	10	16.90
	100	32.21		50	77.48
	250	76.50		250	306.64
10 x 12	10	6.37	18 x 22	10	20.91
	50	29.19		50	95.81
	250	115.62		250	379.24
11 x 14	10	8.12	20 x 24	10	25.35
	50	37.21		50	116.23
	250	147.28		250	460.07
14 x 17	10	12.57			
	50	57.62			
	250	228.06			

Roll Sizes

42 x 10 feet	26.61
42 x 100 feet	206.88

National White Flame and Panchromatic Carbons for Photographic and Photo-Engraving Arc Lamps

Size			Per Carbon	Unit Package, 50 Carbons	Standard Case, 250 Carbons
1/2 x 12"	(13 mm. x 12)	White Flame & Pan	\$0.21	\$7.81	\$34.60
1/2 x 12"	(13 mm. x 12)	Copper Coated	.21	8.14	35.81
3/8 x 12"	(10 x 305 mm.)	White Flame & Pan	.18	6.44	28.44
3/8 x 12"	(10 x 305 mm.)	Copper Coated	.19	6.66	29.76
5/8 x 12"		White Flame & Pan	.30	11.44	50.60
5/8 x 12"		Copper Coated	.32	12.38	54.78
8 mm. x 12"		White Flame & Pan	.24	9.30	41.09

IMPORTED EAGLE BRAND TRICHROME CARBRO BROMIDE PAPERS Single Weight — Semi-Matte

EAGLE BRAND
TRICHROME CARBRO BROMIDE PAPER
NORMAL GRADE — SINGLE WEIGHT
NO GELATIN OVERCOAT — MADE ESPECIALLY FOR CARBRO WORK



Keep in a cool dry place and open for use in yellow light only.

Eagle Brand Carbro Bromide Papers are made specially for Trichrome Carbro work.

It is rich in silver of a long range and has no overcoat of gelatin above the silver emulsion. It is a single weight semi-matte stock.

The range will fit any negative from normal to contrast. This is a bromide paper and should be handled in a red or orange light. Developer should be between 68° and 70° F. Warmer developer will produce fog. Developed at low tempera-

tures, less than 50°, will not perform properly. Development should be complete in 1 1/2 to 2 minutes. Time your exposures accordingly.

You may use any standard Metol-Hydroquinone paper formula such as EK Dektol.

PRICES

	Mfg. Tax
8 x 10	\$1.45 + .22
11 x 14	\$2.65 + .40
40 in. x 10 yards	18.00 + 4.50

AUTOTYPE CARBON AND CARBRO PIGMENT PAPERS



Manufactured by the
Autotype Co., London
The most permanent
printing process



No.	Color	Per doz.	Per Band
		8 x 10	30" x 12 ft.
93	Terra Cotta	\$2.50	\$7.50
94	Ivory Black	\$2.50	\$7.50
97	Warm Sepia	2.50	7.50
100	Standard Brown	2.50	7.50
103	Warm Black	2.50	7.50
104	Engraving Black	2.50	7.50
105	Sepia	2.50	7.50
106	Red Chalk	2.50	7.50
137	Olive Brown	2.50	7.50
140	Bottle Green	2.50	7.50
145	Gray Green	2.50	7.50
151	Sea Green	2.50	7.50
152	Dark Blue	2.50	7.50
162	Brownish Black	2.50	7.50
165	Italian Green	2.50	7.50
166	Rembrandt Sepia	2.50	7.50
169	Van Dyke Brown	2.50	7.50
168	Ink Pot	2.50	7.50
107	Transparency	3.15	8.25
171	Diapositive, Grainless	3.15	8.25
	Assorted	2.50	
	Gray for Imbibition relief	3.15	8.25

CARBRO TRICHROME THREE COLOR PIGMENT PAPERS

No.		Per Doz.	Per Band	Per Band
		8 x 10	30" x 12 ft.	15" x 12 ft.
370	Trichrome Blue, Improved, None Frill	\$3.15	\$8.75	\$4.40
371	Trichrome Red, Improved, None Frill	3.15	8.75	4.40
372	Trichrome Yellow, None Frill	3.15	8.75	4.40
	Assorted 4 sheets ea., Nos. 370, 371, 372	3.15		

AUTOTYPE SPECIAL PIGMENT PAPERS

G, 3	For Photogravure	Dozen, 8 x 10, \$3.30; Band 36 in. x 12 ft., \$10.75
G, 11	For Rotary Gravure printing—Dozens, 8 x 11, \$3.25	Bands Special
G, 15	For COLOR Rotary Gravure Printing—Dozen, 8 x 10, \$3.30	Bands Special
49	Stencil Tissue Black—Dozen, 8 x 10, \$2.50	Band 36 in. x 12 ft., \$7.75
59	Stencil Tissue Brownish Red—Dozen 8 x 10, \$2.50	Band 36 in. x 12 ft., 7.75

AUTOTYPE SINGLE TRANSFER PAPER

AUTOTYPE SINGLE TRANSFER PAPER			Per doz.	Band
108	Medium Smooth White	8x10	30 x12 ft.	37½"x12 ft.
116	Thick Smooth White	\$1.40	\$4.00	\$5.00
	Assorted.	1.60	36" 6.25	40" 7.00
			1.60	

AUTOTYPE PAPERS FOR DOUBLE TRANSFER

No.		Per doz.	Band
		8 x 10	30" x 12 ft.
86	Medium Thickness, White	\$1.75	\$5.00
2020	White, suitable for Oil Printing—Rough	1.75 39"	6.50
1160	White, suitable for Oil Printing—Smooth	1.75	6.50
			40" 7.00

TEMPORARY SUPPORT

A special paper yielding prints with medium gloss. May be used repeatedly, only needing waxing solution for use.

No. 112-A	5½ x 7½, per package of 12 sheets	\$1.25
No. 112-A	9 x 11, per package of 12 sheets	2.50
No. 112-A	Per sheet, 18 x 23	1.25
No. 211	Thin temporary support	1.60
No. 214	Soluble for Trichrome	7.50
N. 214	Soluble for Trichrome	6.60

Per dozen, 9x11, \$2.80; Per Sheet, 24x30
Per dozen, 8 x 10, \$1.60; Per Band 42" x 12 ft.
Per dozen, 8 x 10, \$1.60; Per Band 37½ x 12 ft.

MONOTONE CARBON AND CARBRO SUNDRIES

Carbro Stock Solution A, 16-Bottle .....	.60
Carbro Stock Solution B, 16-Bottle .....	.60
Waxed Paper, per doz. 9" x 12"—\$.40; per doz. 18" x 24"	1.25
"Carbro" Instruction Book, Autotype .....	.50
A. B. C. Guide to Carbon Printing .....	.75
Autotype Color Printing Process	1.75

Modern Methods of Carbon Printing by Marton, a very good Reference Book for Carbon workers, contains 54 Chapters dealing with all phases of Carbon work 2.50

CARBRO TRIAL OUTFITS

Assuming you have ordinary Photographic equipment such as Trays, Measuring Glasses, etc., the Style A Outfit will be all you need: if however, you want a complete equipment the Style B includes many other items.

Style "A"

1 doz. Asst. Carbon Pigment Papers.	1 Bottle A Solution
1 Doz. Asst. Single Transfer Papers	1 Bottle B. Solution
1 Rubber Squeegee flat	1 Instruction Book
8 x 10 Size, price	\$7.00

Style "B" Outfit

3 White Enamel Trays	1 Bottle A Carbon Solution
1 Squeegee Board	1 Bottle B Carbon Solution
1 Rubber Squeegee 10"	1 Package Asst. Carbon Pigment Paper
1 Royal Tray Thermometer	1 Package Asst. Single transfer
1 Dozen Sheets Wax Paper	1 16 ozs. Tumbler Graduate
6 Blotters, 19 x 24,	1 instruction Book by Autotype Co.
1 pound Potass. Alum	
8 x 10 Size, Price	\$15.00

GREY SCALES AND COLOR CHARTS

Color Separation Guides consisting of a series of Grey tones, and color charts at end for Negative Identification. Size 2" x 6½"—\$1.15, 2½" x 15½" 1.50

Grey Paper Scales Uncalibrated. 1½" x 10"—\$2.67; 4" x 10"—\$5.64; 8" x 10" 10.40

Transparency Step Scales uncalibrated:

No. 1—¾" x 1⅝". Density Range 0 to 1.50, approx. 11 Steps	2.75
No. 2—1" x 4⅛". Density Range 0 to 3.00, approx. 21 Steps	3.10
No. 3—1½" x 8⅞". Density Range 0 to 3.00, approx. 21 Steps	3.33
No. 2 or No. 3 Calibrated at an additional charge of	9.35

Autotype Trichrome Pigment Paper and Outfits for Making Paper Prints in Color from Separation Negatives

	Per Band 30" x 12'
Cat. No. 370 Trichrome Blue-green	\$8.75
Cat. No. 371 Trichrome Magenta	8.75
Cat. No. 372 Trichrome Yellow	8.75
1 doz. 8" x 10" asst. Tricolor Pigment Paper	\$3.15

TRIAL THREE COLOR OUTFITS No. 6 SIZE 8 x 10"

- 1 doz. 8" x 10" asst. Tricolor Pigment Paper
- 1 doz. 8" x 10" No. 116 Final Transfer Paper
- 1 doz. 8" x 10" No. 214 Soluble Temporary Support
- 1 doz. 10" x 12" Heavy Wax Paper
- 1 Instruction Pamphlet
- 1 doz. 9" x 12" Heavy White Blotters
- 1—12" Flat Velvet Rubber Squeegee
- 3 10" x 12" Transparent Supports
- 1 Bottle Carbro Sensitizer No. 1
- 1 Bottle Carbro Sensitizer No. 2

PRICE \$12.00

PROFESSIONAL THREE COLOR OUTFIT

- 1 Band Trichrome Blue Green 30" x 12'
- 1 Band Trichrome Magenta 30" x 12'
- 1 Band Trichrome Yellow 30" x 12'
- 1 Band Final Transfer No. 116 40" x 12'
- 1 Band Temporary Soluble Support 30" x 12'
- 1 Roll 10 yd. x 40" Bromide paper
- 3—16" x 20" Plastic Transparent Temporary Supports
- 1 15" Flat Velvet Rubber Squeegee
- 1 dozen sheets Heavy Wax Paper 12" x 18"
- 1 dozen sheets 140 lb. Blotters 19" x 24"
- 1/4 lb. Potassium Bichromate C.P.
- 1/4 lb. Potassium Bromide
- 1/4 lb. Chrome Acid
- 1 lb. Chrome Alum
- 1/4 lb. Potassium Ferricyanide
- 1 lb. Glacial Acetic Acid
- 1 lb. Formaldehyde
- 1 Thermometer
- 1 copy "National Color Processes" by Carlton E. Dunt.

PRICE \$85.00

Trichrome Printing by the Autotype Co.	\$.75
Natural Color Processes (4th Edition) by Carlton E. Dunn	3.00
Booklet on Wratten Light Filters .....	.50
Temporary Soluable Support Doz. 8" x 10"—\$1.60; Bands 42" x 12'	7.50
Final Transfer D. W. White Smooth No. 116 Doz. 8" x 10"—\$1.60; Bands 40" x 12'	7.00
Heavy Wax Paper. Per doz. 10" x 12"—\$.40; Per doz. 18" x 24"	1.25
Waxing Solution, 4 oz.—\$.50; 6 oz.—\$.75; 16 oz.	1.75
Dark Waxing Compound Cakes (Dissolves in Turpentine) Per Cake .....	.75
Carbro Sensitizer, Solution A 16 oz. bottle .....	.60
Carbro Sensitizer, Solution B 16 oz. bottle .....	.60
Carbro Sensitizer, Solution No. 1 16 oz. bottle .....	.60
Carbro Sensitizer, Solution No. 2 16 oz. bottle .....	.60
Transparent Plastic Temporary Supports	
30/1000 thick 10" x 12" ea.—\$1.00; 20" x 50" each	6.25
50/1000 thick 16" x 20" ea.—\$4.00; 20" x 50" each	9.50
Squeegee Boards 12" x 12"	1.25
Actinometer, Disc	\$1.25
Actinometer, Johnson's (Giving a single tint)	3.00
Material (Plastic) For Combiner Aprons 15/1000 thick Ground on one side, made into Hinged Aprons 20" x 25"—each apron	5.00
In Full sheets 20" x 50"—not cut	4.50
Tricolor Spotting Colors—Blue, Red or Yellow—per color	2.00
Tricolor Filter Sets Square Gelatine A-B-C ³ 2" square—\$1.30, 3" square	2.00
Tricolor Filter Sets Square Gelatine F-N-C ⁴ 2" square—\$1.30, 3" square	2.00
Trial Sets 8" x 10" Bromide Prints for those who wish to make carbros without making separation negatives—8" x 10"—\$5.00; 11" x 14"	10.00

List of Materials Required for Making Silk Stencils

Autotype Photo Stencil Process booklet	1.00
No. 49, Black, Special Stencil Carbon Tissue, 36" x 12'	7.75
No. 59, Reddish Brown, Special Stencil Tissue, 36" x 12'	7.75
No. 1045, Green, 40" x 12'	10.50
Sheet of No. 211, Thin Temporary Support, 24 x 30"	1.60
Cake of Waxing Compound .....	.75
1—12" Eagle Rubber Squeegee	\$1.20 plus 30c. excise tax

Ceramic Tissue

We can supply Ceramic Tissue as follows:

Black Ceramic Tissue No. H1068

Band 36" x 12'	\$16.00
1 dozen 8 x 10	4.50
1 dozen 10 x 12	6.75
1 dozen 12 x 15	11.00

CARRYING CASES

RITE GADGET BAG

For a Thousand and One Uses

Slung over the shoulder, the gadget bag is handy and convenient for carrying most everything the camera man needs. Will hold his meter, bulbs, films, batteries, range finder, etc., etc. Made of heavy green army duck, bound in leather and fitted with a full length zipper. Adjustable shoulder strap of genuine leather. Gadget bag is waterproof and mildewproof. Size 8 by 10 by 3 inches.

No. 600—Heavy Duck \$5.50

No. 700—Genuine Cowhide leather,
Brown color \$8.50



EAGLE CAMERA CASES

Your camera is a valuable item, and if damaged, it cannot be replaced at this time. Protect it when not in use with a durable carrying case.

The Eagle Camera Cases are constructed of Brown, smooth, top grain cowhide, fully lined with velvet, fitted with nickel lock. Hand and shoulder straps.

No.	Model	Design	Price
31	Anso Clipper	Lined Eveready	\$ 4.00
39	Anso Rediflex	Eveready Case	4.00
310	Bell & Howell Filmo Double 8 ..	De Luxe Lined Holster	6.25
310E	Bell & Howell Filmo Double 8 ..	De Luxe Lined Eveready	8.50
114	Bell & Howell Magazine 16mm ..	De Luxe Lined Compartment	13.50
209	Ciroflex	De Luxe Lined Eveready	8.00
35	Fed Flash	Lined Eveready	3.80
37	Kodak Brownie Reflex	Lined Eveready	3.50
70	Kodak Bantam 4.5 with Flash ..	De Luxe Lined Eveready	7.00
40	Kodak Brownie Flash Six-20	Eveready Case	3.75
38	Kodak Duaflex	Lined Eveready	3.50
74	Kodak 35	De Luxe Lined Eveready	8.50
74N	Kodak 35 with Range Finder ...	De Luxe Lined Eveready	9.00
204VI	Kodak Vigilant 616	De Luxe Lined Holster	6.75
205VI	Kodak Vigilant 620	De Luxe Lined Holster	6.50
204MO	Kodak Monitor 616	De Luxe Lined Holster	6.75
205MO	Kodak Monitor 620	De Luxe Lined Holster	6.50
204EV	Kodak Vigilant & Monitor 616 ..	De Luxe Lined Eveready	8.00
205EV	Kodak Vigilant & Monitor 620 ..	De Luxe Lined Eveready	7.50
250N	Kodak Cine 8mm Mod. 20, 25&60	De Luxe Lined Holster	7.75
250NE	Kodak Cine 8mm Mod. 25 & 60 ..	De Luxe Lined Eveready	10.00
201	Keystone 8mm	De Luxe Lined Holster	6.75
59X	Leica C	De Luxe Lined Eveready	10.00
59	Leica III G	De Luxe Lined Eveready	10.00
110	Revere 8mm	Lined Holster	6.75
110E	Revere 88M	Lined Eveready	8.50
111M	Revere 16mm Magazine	De Luxe Lined Compartment	13.50

METER CASES

716	Weston Master II Model 735 ...	De Luxe Lined Holster	2.20
716E	Weston Master II Model 735 ...	De Luxe Lined Eveready	2.20
717	GE Model DW-58	De Luxe Lined Holster	2.20
718	GE Model PRI	De Luxe Lined Holster	2.20
718E	GE Model PRI	De Luxe Lined Eveready	2.20

Space does not permit the listing of our complete stock of carrying cases. If you do not find your particular requirement listed, please inquire.

CELLULOID (Acetone Base)

Style A—5/1000 of an inch—plain, transparent, not ground. This is suitable for transparencies and photo buttons.

Style B—10/1000 of an inch thick—plain, transparent, ground one side. This is used in printing or diffusing the light.

Style C—10/1000 of an inch thick—pure white, ground one side. For use in the carbon process.

Style A		Prices	Style C—10/1000		Prices
Per sheet, 20x50	.....	\$2.25	Per sheet, 20x50	.....	\$2.50
Per dozen, 5x7	.....	1.85	Per dozen, 5x7	.....	1.85
Per dozen, 8x10	.....	3.00	Per dozen, 8x10	.....	3.50
Style B					
Per sheet, 20x50	.....	2.25			

BELL & HOWELL FILM CEMENT

Especially developed for the most effective splicing of safety cine film. Produces a strong and pliable splice. Supplied in round bottle with combination cork and brush.

Per 1 oz. bottle 40 cents

BEST-TEST PAPER CEMENT

Best-Test Paper Cement is not an ordinary office paste. It has every feature necessary to the make-up of the perfect adhesive—smoothness, transparency, easy flow, tackiness. Best-Test is the quickest, cleanest and most convenient adhesive for any paper joining need. A temporary or permanent joint can be made as desired. Excess or misplaced cement is easily removed, when dry, with smudges and surface dirt coming off by simply rubbing with the finger tips.



2 1/4 oz. tube	.....\$0.25	Thinner	
1/2 Pint Can	..... .55	1 Pint Can	..... .40
Pint Can	..... .65	1 Gallon Can	..... 1.75
Quart Can	..... 1.10		
1 Gal. Can	..... 3.25		

BEST-TEST RUBBER CEMENT CONTAINER

A substantial and practical device. Made to render long and satisfactory service. The body is glass equipped with an air-tight metal top.

The brush, which moves up and down through an air-tight stuffing box, can be instantly adjusted to any desired depth; and being immersed in the cement it remains soft and pliable ready for use at all times.

	Each
Style 1B, 1/2 Pint	..... \$1.50
Style 1C, Pint	..... 1.75



PHOTO CHAMOIS

Here is the perfect way to remove dust particles and clean films without scratching the most delicate emulsion. A 100% oil tanned, specially prepared skin. Kept in a covered wated jar, ready for instant use.

Can be washed with soap and water. Lasts indefinitely.

11 x 13 \$1.00

**EAGLE
Safety Changing Bag
WITH ZIPPER**

Guaranteed light proof for fast
Panchromatic.

Use in Daylight.

No Dark Room Required.

For loading plate holders and for changing plates into Developing Tanks in daylight. The plate holders and a box of plates or developing tank are put into the bag at one end. The bag is then closed with zipper. The hands are inserted through the sleeves (which have elastic wrist bands and the plates are then easily changed without loss of time.



No.	Size	Outside measure	Price	Mfr's Excise Tax
No. 0	3 1/4 x 4 1/4	18 x 18	\$5.50	\$1.38
No. 1	4 x 5	16 x 23	6.75	1.70
No. 2	5 x 7	24 x 29	7.00	1.75
No. 4	8 x 10	32 x 33	9.00	2.25
No. 5	11 x 14	33 x 44	12.75	3.19

CHEMICAL PRICE LIST No. 150

All Eagle tested chemicals are photographically pure.

This list includes only the regular photographic Chemicals. In addition we can supply any other Chemical at current prices.

ACID, Acetic, Redistilled 28%		AMIDOL—Johnson	
1 lb.	bottle .25	1 oz.	bottle .60
1/2 gal. ....	.65	1/4 lb.	bottle 2.00
5 lbs. ....	.85	1/2 lb.	bottle 3.50
1 gal.	1.25	1 lb.	bottle 6.50
ACID, Acetic, Glacial 99%		CHLORQUINOL—Johnson	
1 lb.	bottle .50	1 oz.	1.25
5 lb.	bottle 1.70	1/4 lb.	4.00
1/2 gal.	1.25	1/2 lb.	7.00
1 gal.	2.40	1 lb.	13.00
ACID, Hydrochloric, C. P. (Muriatic)		CYANIDE	
1 oz.	bottle .30	1 oz.	bottle .18
1/4 lb.	bottle .40	1/4 lb.	bottle .50
1/2 lb.	bottle .60	1/2 lb.	bottle .80
1 lb.	bottle .90	1 lb.	bottle 1.50
6 lb.	2.75	ELON	
ACID, Nitric, C. P.		1 oz. ....	.41
1 oz.	bottle .30	4 oz.	1.07
1/4 lb.	bottle .40	8 oz.	1.98
1/2 lb.	bottle .50	16 oz.	3.74
1 lb.	bottle .90	5 lbs.	16.20
7 lb.	3.25	FORMALDEHYDE	
ACID, Oxalic		1 oz.	bottle .10
1 oz.	bottle .12	1/4 lb.	bottle .18
1/4 lb.	bottle .25	1/2 lb.	bottle .35
1/2 lb.	bottle .30	1 lb.	bottle .45
1 lb.	bottle .50	5 lb.	1.40
5 lb.	2.25	GLYCIN—Johnson	
ACID, Sulphuric, C. P.		1 oz.	bottle .50
1 oz.	bottle .30	1/4 lb.	bottle 1.75
1/4 lb.	bottle .40	1/2 lb.	bottle 3.00
1/2 lb.	bottle .60	1 lb.	bottle 5.50
1 lb.	bottle .90	GLYCERINE, C. P.	
9 lb.	4.00	1 oz.	bottle .15
ALCOHOL, Wood		1/4 lb.	bottle .30
1 qt. ....	.50	1/2 lb.	bottle .50
1/2 gal. ....	.75	1 lb.	bottle .90
1 gal.	1.35	5 lbs.	bottle 4.30
5 gal.	6.00	HYDROCHINONE, Eagle	
ALUM, Potassium, Powdered		1 oz.	carton .18
1 lb.	carton .18	1/4 lb.	carton .45
5 lb.	can .65	1/2 lb.	carton .80
ALUM, Pot. Chrome, Cry.		1 lb.	carton 1.25
1 lb.	can .40	5 lb.	carton 5.40
5 lb.	can 1.70	25 lbs.	carton 25.00
		100 lbs.	carton 95.00

MERITOL—Johnson

1 oz.	1.50
1/4 lb.	5.50
1/2 lb.	10.00
1 lb.	18.00

METOL—Johnson

1 oz. ....	.35
1/4 lb. ....	.95
1/2 lb.	1.75
1 lb.	3.30

PARAMIDOPHENOL (BASE)—

1 oz. ....	.45
1/4 lb.	1.75
1/2 lb.	3.25
1 lb.	6.00

POTASSIUM, Bichromate Cry. Pure (Dichromate)

1 oz.bottle	.15
1/4 lb. ....bottle	.35
1/2 lb. ....bottle	.55
1 lb. ....bottle	.90
5 lb.	4.40

POTASSIUM, Birchromate Cry. Pure

1 oz.bottle	.12
1/4 lb. ....bottle	.15
1/2 lb. ....bottle	.25
1 lb. ....bottle	.38
5 lb.	1.75

POTASSIUM, Bromide, Cry.

1 oz.bottle	.10
1/4 lb. ....bottle	.22
1/2 lb. ....bottle	.40
1 lb. ....bottle	.60
5 lb.	2.85

POTASSIUM, Bromide, Granular

1 oz.bottle	.10
1/4 lb. ....bottle	.22
1/2 lb. ....bottle	.40
1 lb. ....bottle	.60
6 lb.	2.85

POTASSIUM, Ferricyanide (Red Prussiate) Cry.

1 oz.bottle	.20
1/4 lb. ....bottle	.35
1/2 lb. ....bottle	.65
1 lb. ....bottle	1.10
5 lb. ....bottle	5.25

POTASSIUM, Meta Bisulphite

1 oz.bottle	.12
1/4 lb. ....bottle	.25
1/2 lb. ....bottle	.40
1 lb. ....bottle	.75
5 lb. ....bottle	2.50

POTASSIUM, Iodide

1 oz.bottle	.40
1/4 lb. ....bottle	1.15
1/2 lb. ....bottle	2.00
1 lb. ....bottle	3.95

PYRO CRYSTALS—Johnson

1 oz. ....	.55
1/4 lb.	1.75
1/2 lb.	3.10
1 lb.	6.00

SODA, Carbonate, Monahydrated, E. K.

1 lb.can	.30
5 lb. ....can	1.00
25 lb. ....drum	3.50
100 lbs.	9.75

SODA, Carbonate, Monohydrated, Highest Purity

1 lb.can	.20
5 lb. ....	.70
25 lb. ....pail	2.75
100 lbs.	9.00

SODA, Hyposulphite, Pea Cry.

1 lb.carton	.15
5 lb. ....pkge.	.50
20 5 lb. pkge (100 lbs.)	6.00
1 100 lb. keg	6.25
5 100 lb. kegs	5.50
1 100 lb. bag	5.00
5 100 lb. bags	4.25

SODA, Sulphide, Fused

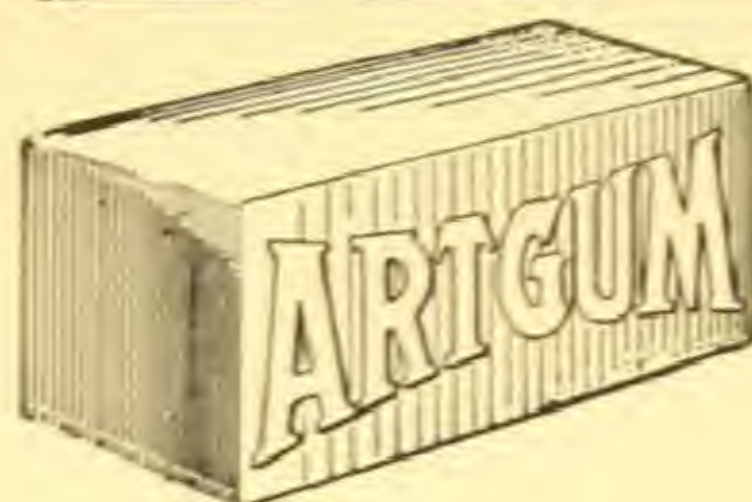
1 oz.bottle	.12
1/4 lb. ....bottle	.30
1/2 lb. ....bottle	.45
1 lb. ....bottle	.75
5 lb. ....bottle	3.50

SODA, Sulphite, Anhydrous (Eagle Highest Purity)

1 lb.can	.28
5 lb. ....can	1.00
25 lb. ....pail	3.25
100 lb.	10.00

SODA, Sulphite, (Dessicated), Eastman

1 lb.bottle	.35
5 lb. ....bottle	1.20
25 lb. ....drum	4.15
100 lb.	12.75

**ARTGUM—The Dry Cleaner**

It will remove dirt and finger marks from card mounts and photos without the use of water or any other liquid. Simply rub the spot with the Artgum. It will not change the color or injure the surface in any way. Put up in cakes $1\frac{1}{8} \times 1\frac{1}{8} \times 1\frac{1}{8}$ inches and $1\frac{1}{8} \times 1\frac{1}{8} \times 2\frac{1}{4}$ inches.

No. 1— $1\frac{1}{8} \times 1\frac{1}{8} \times 1\frac{1}{8}$ (not cartoned), per cake.....\$0.05
 No. 2— $2\frac{1}{4} \times 1\frac{1}{8} \times 1\frac{1}{8}$ (not cartoned), per cake..... .10

EAGLE LENS CLEANER

This is a preparation for cleaning and polishing photographic lenses. It is also useful for cleaning ordinary eyeglasses. A few drops are applied to the lens and it is gently rubbed with the finger, and then polished off with a clean cloth or an old linen handkerchief.

1 ounce bottle.....\$0.15
 Tissue paper, per package15

**NOSTANE CLEANER****Prevents Staining and Poisoning the Hands**

Nostane is a positive and sure preventive of all stains resulting from any chemicals used in photography.

This article is in the form of a paste, perfectly odorless, and when applied to the hands renders them proof against discoloration and poisonings, affects neither hands, plates nor papers.

Per box\$0.25

LENS AND PROCESS SCREEN CLEANER

Lens and Process Screen Cleaner has been placed on the market for cleaning process lenses, print frame glasses, half-tone screens and other glass surfaces which are required to be maintained in clear and clean condition.

The product is simple to use. A few drops are sprinkled on the surface to be cleaned, after which the surface is polished with a dry lintless cloth. Something every photographer and photoengraver should have.

2 oz. bottle\$0.50

ADRO WATERLESS HAND CLEANER

Removes grease, grim, printers ink, tar and other soil. Contains Lanolin and prevents chapping.

Simply rub a sufficient amount of cleaner on the hands until all dirt has been dissolved, then wipe hands dry with paper towel or cloth.

This will leave the hands clean, soft and smooth.

14 oz. can — 60 cents

**LAVAPYRO
(Stain Remover)**

This preparation is exceptionally effective for removing developer stains (Pyro or Metol), dirt and poison from the hands.

Use Lavapyro at least once a week, and you will have nice, clean, healthy hands, beside protecting yourself from poisoning.

Can also be used in case of Ivy Poisoning.

Per Set of 2 Jars\$0.75

Asterma Barrier Cream



An invaluable aid in the prevention of skin irritation and dermatitis caused by developing fluids. Proven as to its effectiveness by the U. S. Naval Research Laboratories, Washington, D. C. The report of tests made is available to users of the cream.

Directions: Wash hands with warm soap and water, rub in cream before working with developer, after work repeat the same process. For prolonged periods of developing work use rubber gloves after applying cream.

Available in 3 sizes.

1/2 oz. jar—\$.35; 4 oz. jar—\$1.00; 8 oz. jar—\$1.90; 1 lb. jar.—\$3.60

PAKO Stainless Steel FILM CLIPS



NOW AVAILABLE

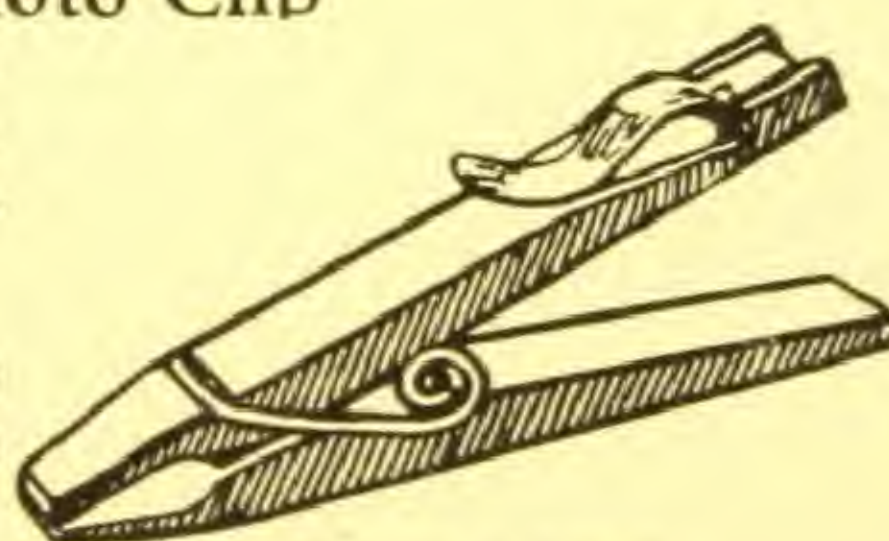
for immediate delivery are made of strong, resilient, non-corrosive stainless steel, insuring long service. They are made for easy loading, firm gripping and their extra wide jaws eliminate center curl of film. They are designed for quick drain off of chemicals—eliminating film stain.

	Price Including Federal Excise Tax	Price Including Federal Excise Tax
PAKO Stainless Film Clips	\$3.56 per doz.	per gross \$35.63
PAKO Clip Weights	1.78 per doz.	per gross 17.50
Weighted Stainless Film Clips	5.64 per doz.	per gross 56.00
Weight Rings, Oval Stainless	5.25 per doz.	per gross 52.50
Weight Rings, Rectangular, Stainless	4.90 per doz.	per gross 49.00

U. S. Wood Photo Clip

This clip is exceedingly strong, being made of hard wood, with heavy wide springs, and is provided with an improved clip as illustrated.

Per dozen \$0.50
Per gross 6.00



WHITE PLASTIC PHOTO CLIPS



Far superior to the old wooden type clip. Clips are made of waterproof plastic, not affected by photographic solutions. Complete with rust-proof springs and hooks.

Per dozen \$0.60

HOLLISTON WHITE PHOTO CLOTH



Holliston Photo Cloth is made for just one purpose—it provides a quick, clean, easy way of backing photographs, photostats and blue prints.

The adhesive qualities of Holliston Photo Cloth are manufactured into and are a part of the fabric itself. As it does not depend on a coating of gum to make it adhesive it consequently has none of the objectionable features commonly associated with gumed cloth.

1. Easy to handle.

Size
9 x 12
10 x 12
11 x 14
12 x 17
12 x 18
14 x 20
18 x 24

100 Sheets
per 100

\$ 4.40
5.25
6.80
8.15
8.65
12.00
17.25

500 Sheets
per 100

\$ 4.20
5.05
6.50
7.80
8.30
11.50
16.60

Less than roll (40 yds.) 36" wide \$.47 yd.

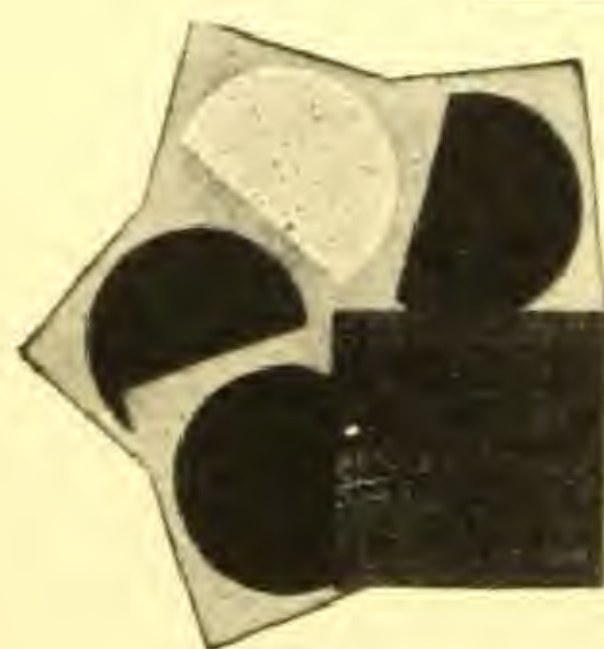
40 yds. to 249 yds. 36" wide45 yd.



Murphy's PHOTOGRAPHIC CHEMICAL CLOTH

A chamois like cloth especially chemically treated for cleaning glass, filters, backs of negatives, condensing lenses, printing frame glasses, etc. Complete instructions on each envelope. Size of cloth 16" x 18½".

PRICE, EACH 30 CENTS



VICTOR SPOTTING COLORS

Furnish ideal color mediums for spotting or retouching photographic prints of all tones.

Nos. 0 and 1 are put up on celluloid sheets in very convenient form, and No. 2 in opal glass jars.

No. 0—Black, Photo Brown and Sepia Shades, per set \$0.20
No. 1—Black, White, Photo Brown and Sepia Shades, per set .. .45

E. W. N. SPOTTING MEDIUM

The latest and best article for filling-in holes in the negative; so no spot will show on the print; also for touching up all black and white prints. Two shades of medium to match any tint. Any one can use it, and improve your negatives and prints amazingly. Spot your negatives before printing, or before sending them to be printed for best results. A radical improvement over the old-fashioned red opaque.

Two tints, warm and cold black.....\$0.50

THAYER & CHANDLER'S AIR BRUSH LAMP BLACK AND SEPIA

Thayer & Chandler's air brush lamp black and sepia is the base of all first class air brush work and insures perfect satisfaction and results.

Lamp Black, per tube 30c.; per doz.....\$3.00
Sepia, per tube 30c.; per doz..... 8 00



MARSHALL'S PHOTO OIL COLORS



TRANSPARENT - PERMANENCY

Tint your photos in all the beautiful coloring of nature by a process so simple that even a novice can obtain good results. Brushes not required — simply use absorbent cotton. Run over outlines and remove extra color. Apply heavy and rub down. Wipe all color off and start again if desired. Greater speed than any other process. For the professional or the amateur.

No. 0 set—4 colors in Tubes $\frac{1}{2}$ x 2 inches; medium; cotton and skewers.	
per set	\$1.25
Student's Set—Eight $\frac{1}{2}$ x 2 tubes; Bottle of P.M.S.; Roll of Cotton; Six Skewers; Direction Leaflet	2.50
Academy Set—15— $\frac{1}{2}$ x 2 tubes; $\frac{3}{4}$ x 4" Extender; Bottle of Marlene; Bottle of P.M.S.; Glass Palette; Six Skewers; Roll of Cotton; Direction Sheet	4.50
Set of 15 Colors in $\frac{1}{2}$ x 2 tubes	3.30
Set of 16 Colors extra strong $\frac{1}{2}$ x 2	3.50

Master Set contains every color and coloring accessory. 46 individual tubes of colors included not only the regular series but also the famous Extra Strong series which enables the colorist to match natural-color photograph. Also included cleaner, medium solution, varnish, dryer, self-cleaning palette, and complete instruction booklet.

Price \$11.60

Coloring Accessories in Bottles:

Liquid Medium	4 oz. bottle	\$.90
P. M. S. (Prep. Med. Sol.)	4 oz. bottle .....	.60
Marlene	4 oz. bottle .....	.30
Turpentine	4 oz. bottle .....	.30
Duolac	4 oz. bottle .....	.70

Book on Coloring

"Photo-Oil Coloring for Fun or Profit"

by Lucille Robertson Marshall	\$2.50
Colors, Separate Tubes— $\frac{1}{2}$ x 2 tube (Regular or Extra Strong) .....	.35
Colors, Separate Tubes— $\frac{3}{4}$ x 4 tube (Regular or Extra Strong)	1.00

REGULAR COLORS

Bt. Sienna	Lip
Cad. Orange	Lipstick Red
Cad. Yellow	Navy Blue
Cad. Yellow Deep	Neutral Tint
Carmine	Oxide Green
Cerise	Payne's Gray
Cheek	Raw Sienna
Chinese Blue	Sepia
Cobalt Violet	Serge Blue
Flake White	Sky Blue
Flesh	Tree Green
Flesh #2	Ultra Blue
Flesh #3	Vermillion
Ivory Black	Verona Brown
Khaki	Viridian

EXTRA STRONG

Cad. Orange	Cad. Orange
Cad. Yellow	Cad. Yellow
Cad. Yellow Deep	Cad. Yellow Deep
Carmine	Carmine
Chinese Blue	Chinese Blue
Cobalt Violet	Cobalt Violet
Ivory Black	Ivory Black
Oxide Green	Oxide Green
Payne's Gray	Payne's Gray
Raw Sienna	Raw Sienna
Sepia	Sepia
Tree Green	Tree Green
Ultra Blue	Ultra Blue
Vermillion	Vermillion
Verona Brown	Verona Brown
Viridian	Viridian



AIR BRUSH POWDER COLORS

Put up in seven colors: Black, Green, Brown, Blue, Purple, Red, Yellow
These colors are put up in powder form. They are very brilliant, fast to light and the most inexpensive colors for use in the air brush. A set of these colors will be found of indispensable value to anyone using an air brush. A one-ounce can of color will make about a gallon of liquid air brush color when diluted in water. They are mixed ready for use. Directions for mixing on each can.

1-oz. can \$0.75
Set of seven 1-oz. cans \$3.75

PAASCHE PERMANENT MOIST WATER COLORS

Superior for Air Brush Use

Non glossy—Concentrated—Brilliant—Always Constant—Non-aniline—Absolutely Permanent—and extra fine ground for use in air brushes. They work equally well with hair brushes. These colors will not clog the air brush. They are soluble in water, and may be thinned from 20 to 80 per cent, depending on the density of the color wanted. These colors may be used on the most delicate work or costly miniature, print or photograph without fear of harmful results. Extensively used for portraits, negatives, prints, drawings for reproductions, bird's-eye views, architectural drawings, maps, sketches and wash drawings.

White
Lamp Black
Sepia
Vermilion
Crimson Lake

Lemon Yellow
Burnt Sienna
Ultramarine
Sky-Blue

Orange
Hooker Green I
Hooker Green II
Mauve



Colors put up in two-ounce jars with screw tops (any color) \$1.10 each

COLOR ERADICATOR AND MODIFIER

This is a medium for removing and modifying colors.

The tendency to over-color when tinting photographs is quite general, and this Eradicator remedies the trouble. No matter how deep the colors may have been put on or how clouded or blotched they may appear, it will rectify all these defects and leave the colors pure and soft and perfectly blended. Put up in 1/2 oz. bottles. \$0.40

JAPANESE COLOR SIZING SOLUTION

Japanese sizing will prepare most surfaces so that the colors will take readily. 1/2 oz. bottle.....\$0.40

EAGLE ABSORBENT COTTON

1 lb. Photographic \$0.95 1 lb. special Engravers \$1.25

COLOR REGISTRATION EASEL



The COLOR REGISTRATION EASEL has been designed to eliminate the difficulties encountered in this phase of color printing.

In brief, the steps involved in using the Easel are as follows: dyeing and drying the three matrices, registering on the punching board, punching the matrices, and finally transferring the image on the registration board. Transferring is accomplished by pressing the matrices on top of the proper pegs on the registration board and rolling into contact with the prepared paper.

Full detailed instructions for use included with each Easel.

Price—11 x 14 to 5 x 7 \$46.10 Tax included

PAVELLE COLOR PRINTS

QUALITY: Pavelle Color Prints are sharp, clear, brilliant reproductions of your transparencies. By compensating for improper color balance, color prints are produced which are often superior to the original transparencies.

SERVICE: Pavelle Color Print Service will not be months, not weeks . . . but 7 days!

2 1/4" x 3 1/2"—Unmounted—2X size—made from 35 mm. and Bantam size transparencies	FIRST PRINT	\$0.50
Duplicate prints ordered at same time from same transparency		.40
3 " x 4 1/2"—Made from transparencies up to 2 1/4" x 3 1/4" . . .	FIRST PRINT	.85
Duplicate prints ordered at same time from same transparency		.75
5 " x 7 "—Made from transparencies up to 4" x 5"		2.00
8 " x 10 "—Made from transparencies up to 4" x 5"		3.00

THE ROYAL DENSITOMETER (Model B)



This is a Photoelectric Densitometer which is so arranged that densities from 0.000 to 3.000 and higher can be read with ease over a wide spread on the indicator dial. Readings are accurate and stable. Each person using the Densitometer will report the identical reading.

The Royal Densitometer can be supplied for reading either Transmission or Reflection Densities or both. Readings of Contrasty dense color transparencies, to determine the Contrast Range, are easily and accurately made.

General reading of Negatives and Positives at a small aperture of 1mm and up are made without difficulty. Larger areas on half tone dot formations can also be read.

Royal Transmission Densitometer Model B consisting of Constant light source Table, which will accommodate up to a 22 x 28 inch negative, with Reading Arm and Photoelectric Eye, recording Meter for use on 110 Volt A.C. 60 Cycle current \$320.00

Royal Reflection Density Attachment for use with the above for reading monotone reflection densities or color reflection densities through color filters . . 145.00

MARSHALL DENSITOMETER

Photo-engravers, professionals and successful amateurs use a densitometer . . . an instrument which takes the guesswork out of color printing with separation negatives. Costly mistakes are entirely eliminated by using the Marshall Densitometer which tells you with laboratory accuracy. 1. How to make accurately balanced negatives. 2. Whether or not the separation negatives are suitable for making color prints. 3. The proper exposure for the color printing medium used—Carbro; Washoff Relief; Chromatone.

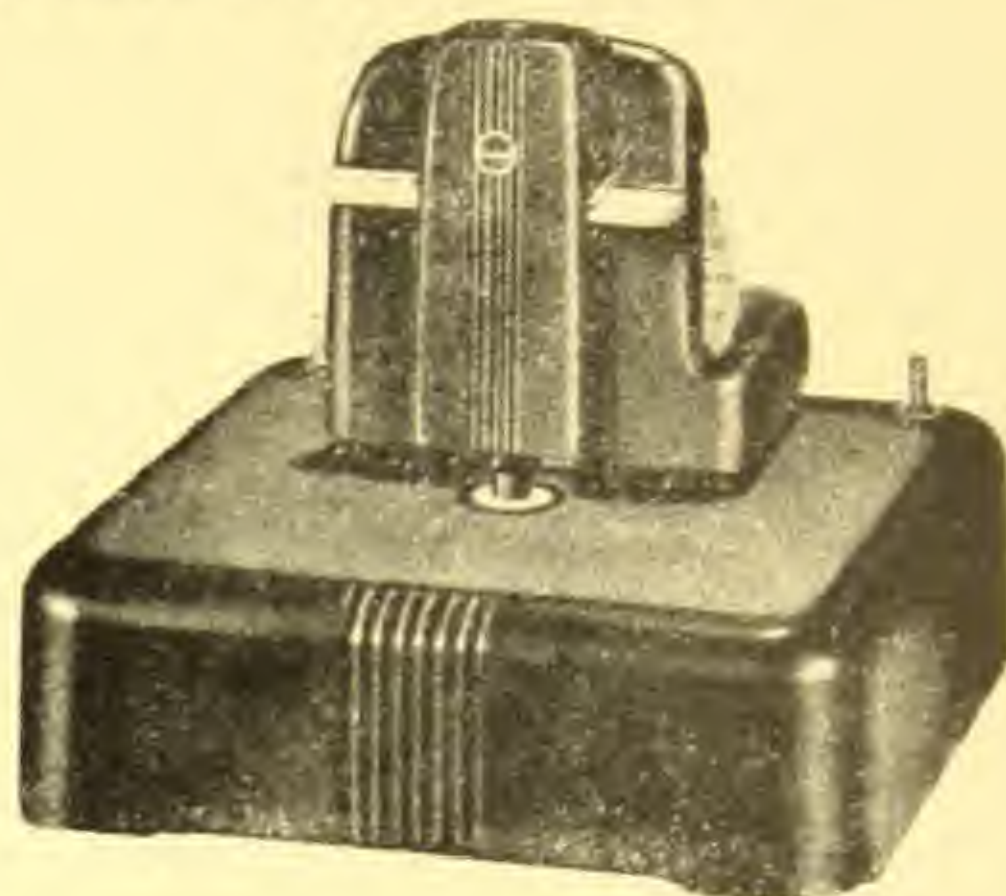
Features: Accurate to 2% (5% allowable in color work); Translucent scale indicates Density Range—0-3.0; Will read to center of 16 x 20 negative; Adjustable magnification 4X to suit individual eyesight; Reads directly in densities—Exclusive exposure scale converts to opacities and eliminates complicated formulae, logarithms, etc.; Traveling light pointer free from parallax; A.C. or D.C.—110 volts; Not affected by variations in line voltage.

Complete with Instructions Manual—Exposure Calculator—Transmission Gray Scale and Sensitometric Chart blanks, Size 5 x 6 1/2 x 19 1/2 \$65.00



COLOR DENSITOMETER MODEL I

Designed for quick, accurate readings
 No warm-up period—always ready to
 use at the snap of the switch.
 Readings can be made from a very
 small area—only 1.25mm. in dia-
 meter.
 No glare, easy on the eyes—desired
 area to be measured easily located.
 Not affected by line voltage variations.
 Linear scale, high densities as easily
 read as low ones.
 Reads densities to 3.0 in gradations of
 0.5; up to 4.0 with addition of neu-
 tral density filter.
 Built-in filters for analyzing color
 film; proper positioning assured by
 click stops.
 Simple design—nothing to get out of
 order.
 Simplified zero setting for user calib-
 ration; however, there is little zero
 drift—correction needed infrequently.
 Reads to the center of an 8 x 10 film.



For 110 to 125 volts, 50 to 60 cycles, AC power.

PRICE — \$50.00



AMIDOL—JOHNSON
 (British Made)

The favorite developer for Bromide and Gaslight Papers. Gives prints of true black color and clean brilliant high lights. Excellent for transparencies on account of its clean working properties. Does not require any caustic or carbonate, thus especially good for hot climates.

1 oz. bottle	.....	\$0.60
1/4 lb. bottle	.....	2.00
1/2 lb. bottle	.....	3.50
1 lb. bottle	.....	6.50

CHLORQUINOL—JOHNSONS

For richness of effects and true rendering of the black tones of portrait negatives on all chloro bromide papers use Johnson's warm tone developer CHLORQUINOL. This gives a complete range from warm black to sepia.



1 oz.	.....	bottle	\$1.25
1/4 lb.	.....	bottle	4.00
1/2 lb.	bottle	7.00
1 lb.	bottle	13.00

ELON

1 oz.	\$0.41	1/4 lb.	\$1.07	1/2 lb.	\$1.98	1 lb.	\$3.74	5 lb.	\$16.20
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GLYCIN—JOHNSON

(British Made)

A slow working, but powerful developer. Exceptionally free from "grain." Practically inoxidizable by contact with air, thus especially suitable for tank development.

1 oz. bottle	.....	\$0.50
1/4 lb. bottle	.....	1.75
1/2 lb. bottle	.....	3.00
1 lb. bottle	.....	5.50

HYDROCHINONE

(Eagle)	1 oz. \$0.18; 1/4 lb. \$0.45; 1/2 lb. \$0.80; 1 lb. \$1.25; 5 lbs. \$5.40
	25 lbs. \$25.00; 100 lb. \$95.00

(Eastman)	1 oz. \$0.25; 1/4 lb. \$0.55; 1/2 lb. \$0.90; 1 lb. \$1.75; 5 lbs. \$8.35
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METOL—JOHNSON

The pure genuine product. Of great efficiency and exceptional lasting qualities. Used with Hydroquinone (Johnson's) it makes the ideal (M. Q.) developer. Used with Pyro (Johnson's) a favorite developer for professional and press photographer. Can be used in any formula.

1 oz. bottle	\$.35
1/4 lb. bottle .....	.95
1/2 lb. bottle	1.75
1 lb. bottle	3.30

MERITOL—JOHNSON

(Patent applied for)

Meritol is a new photographic developer having exceptional advantages for the production of negatives with the finest of grain.

Negatives developed by Meritol have many of the characteristics of physical development, being brown or warm black by transmitted light and cream by reflected light, and enlargements of twenty diameters or even more may be obtained without noticeable grain.

If you are troubled with Metol or Pyro Poisoning, try Meritol. It is non-poisonous.

1 oz.	\$1.50	1/2 lb.	\$10.00
1/4 lb.	5.50	1 lb.	18.00

PARAMIDOPHINOL—JOHNSON

A fine crystal of the highest purity for photographic use. It makes a developer that will not stain negatives or prints; exceptional clear working, giving a black tone suitable for process work.

1 oz. bottle	Price \$.45
1/4 lb. bottle	Price 1.75
1/2 lb. bottle	Price 3.25
1 lb. bottle	Price 6.00



PYRO CRYSTALS—JOHNSON

Johnson's Pyro is a pure white crystal of the highest purity for photographic purposes. Can be used with your favorite Pyro formula. When ordering say Johnsons.

1 oz. bottle	\$.55
1/4 lb. bottle	1.75
1/2 lb. bottle	3.10
1 lb. bottle	6.00





EAGLE M.Q. DEVELOPER in Glass Tubes

For Developing Papers, Plates and Films

A developer in powdered form ready for use. Put up in glass tubes, hermetically sealed so as to make them keep indefinitely. Can be used for Velox, dry plates, films and bromide papers. Clean, easy and economical. One tube, when used properly, and when freshly dissolved, will develop from six to forty Velox prints, 4x5. Each tube makes 8 ounces developer for paper; 10 ounces for bromide, film and plates.

Per box of 6 tubes	\$0.30
12 tubes .....	.50
Per box of 100 tubes	3.50

EAGLE LIQUID MQ DEVELOPER

For the convenience of those preferring a liquid developer we are supplying the regular MQ developer in concentrated liquid form. It is simply necessary to add water according to the instructions on the bottle. Per bottle 10 cents



MERITOL SUPER FINE GRAIN DEVELOPER (Liquid)

A developer which while giving a fine grain image will produce negatives with well graduated scale of tone values and which will take care of the average run of amateur films and give the best possible negatives under varying conditions of lighting, exposures, etc.

8 oz. bottle.....	\$0.50
16 oz. bottle	1.00

KODAK PREPARED DEVELOPERS

Size	DEKTOL DEVELOPER	Price
1 qt.		\$.28
1/2 gal. ....		.36
1 gal. ....		.56
5 gal.		2.40
	SELECTOL DEVELOPER	
1/2 gal. ....		.28
1 gal. ....		.40
5 gal.		1.40
	D-76 DEVELOPER	
1 qt. ....		.28
1/2 gal. ....		.36
1 gal. ....		.56
	MICRODOL DEVELOPER	
1 qt. ....		.40
1 gal. ....		.80

CHEMIPURE SOLUTIONS

CHEMIPURE 2—Universal Developer for all film and paper. Concentrate, dilute for use. A little bit goes a long way \$1.00

CHEMIPURE 4—Made expressly for papers. None better for warm tones on enlarging paper. Slower action permits complete control. Dilute to use. \$1.00

CHEMIPURE 6—Fine Grain film developer. Use full strength. Blended to give soft highlights and excellent shadow detail. Longer developing yields contrast. \$1.00

CHEMIPURE 8—Rapid professional film developer. Sparkling contrast for flash and press photography. Use full strength. Results in six minutes. \$1.00

KODAK TRI-CHEM PACK

Each Kodak Tri-Chem Pack contains: Kodak Universal M-Q Developer; Kodak Universal Stop Bath with Indicator; Kodak Universal Fixer—all in handy foil packets.

Price, 20 cents.

GLO-BRITE NEW PLASTIC FLASH SHIELD with Blue Filter for Color!

STURDY ALL-STEEL FRAME

Complete with 3 new plastic inserts. 1. Clear transparent shield for safety. 2. Diffused plastic for safety and diffusion. 3. Blue plastic filter for color.

All 3 shields are interchangeable—merely snap them into place.

NEW LOW PRICE! 3 shields complete with adjustable frame to fit all 5 to 6 inch reflectors. Also—shields for 7 inches \$2.25



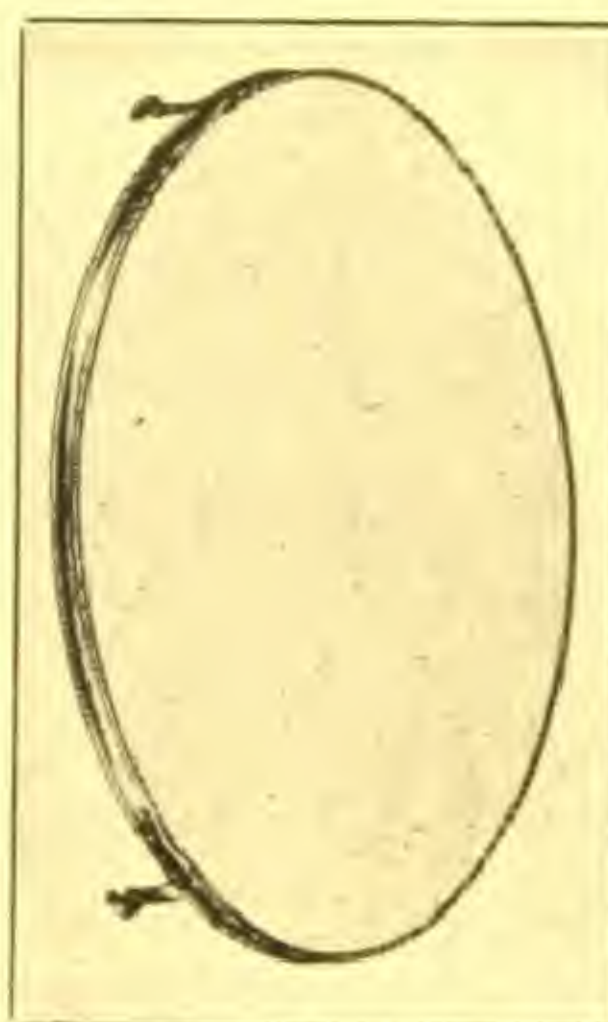
Spun Glass Diffuser Fits All Popular Sized Reflectors

Acclaimed by the photographer! Welcomed by the subject! Now available to the amateur and professional.

Provides a cooler, softer, diffused light for detailed work in portrait and color photography. Will not discolor with use. Negligible loss of light. The Diffuser is manufactured in 5 popular sizes that fit any reflector from 9 to 18 inches in diameter.

New type stainless steel mounting clips permit each diffuser to fit several size reflectors by adjusting these clips to the extra rim size of the reflector.

Here are the Glo-Brite Catalogue Numbers and reflector sizes for which they are made.



U 206	6" Diameter, Fits 6, 9-inch reflectors	\$1.50
U 230	10" Diameter, Fits 9, 10, 11-inch reflectors	1.65
U 232	12" Diameter, Fits 11, 12, 13-inch reflectors	1.95
U 234	14" Diameter, Fits 13, 14, 15-inch reflectors	2.60
U 236	16" Diameter, Fits 15, 16, 17-inch reflectors	3.05
U 238	18" Diameter, Fits 17, 18, 19-inch reflectors	3.90

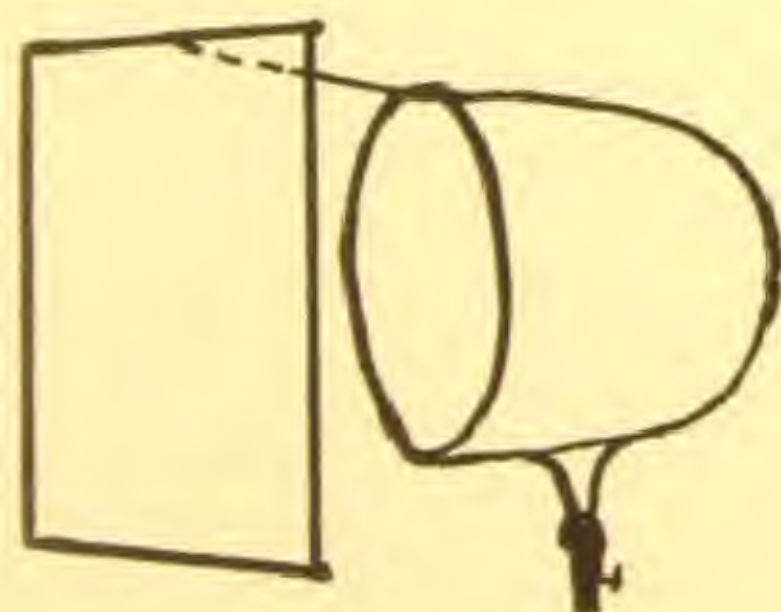
EAGLE DIFFUSING CLOTH AND CLAMP

Cut down those harsh lights with an Eagle Diffusing Cloth Combination. Cloth made of sheer material which permits maximum amount of light to pass through with perfect diffusion.

Made for reflectors of 12" diameter or smaller. Complete with clamp for attaching cloth to all types of reflectors.

No. 1—Eagle Diffusing Cloth and Clamp—complete—12 x 12 \$1.25 plus 31c. tax

No. 2—Eagle Diffusing Cloth and Clamp—extra Large—18 x 18 \$1.50 plus 38c. tax



TRACEOLENE DIFFUSING MATERIAL**A Thin, Flexible, Semi-Transparent Sheet**

Used for diffusing lights, cutting down negatives, working in back grounds, reducing high lights, making color flaps and frisket cutting. It is moisture proof and can be placed over a wet negative for printing.

22 x 140 inches, per roll.....\$2.80
 8 x 10 in. 10 sheets.....\$0.75 11 x 14 in. 10 sheets..... 1.50

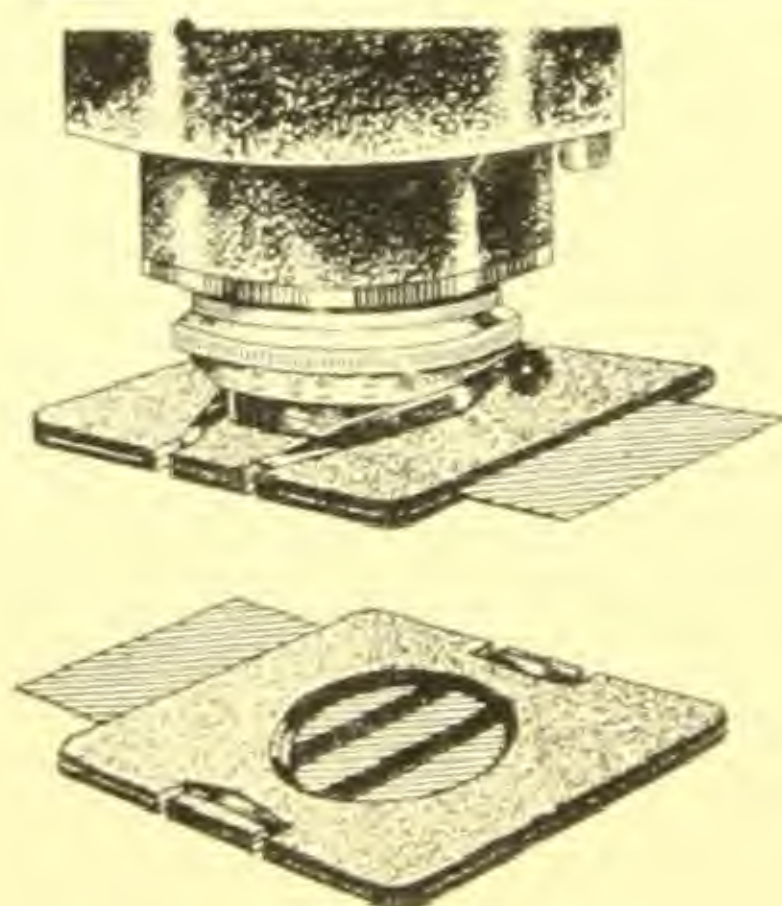
**Blend-O-Ray Diffusers****for Professional and Amateurs**

Negatives need little or no retouching; this set of three diffusers (Nos. 1-2-3) will give you any degree of soft and beautiful diffusion.

The ray filter screens are of especially true and uniform mesh proven in laboratory tests to be superior to any other light diffuser; neither will they crack or break.

By holding diffuser in hand, you may if you desire, diffuse during part of exposure without fear of jarring enlarger. These diffusers may be used with any enlarger.

**The Complete Set—
 PRICE TWO DOLLARS**

**SPENCER DIFFUSER**

With the Spencer Diffuser you too can obtain results which formerly required expensive and complicated equipment. While this diffuser was engineered especially for portraiture, it can be used for eliminating grain and in many cases the need for retouching is eliminated.

Here are a few outstanding features. Permits exacting control of diffusion, can be used with any enlarger, easy and simple to operate, saves tedious retouching, cuts down excessive contrast.

Spencer Diffuser, complete with instructions \$1.00
 Postage extra .06

VISIBLE DODGER

Provides a means of accurately confining spot or local printing, vignetting or dodging to pre-selected areas when projection prints are made. With this positive control of actinic light, portions of picture can be eliminated, controlled or emphasized.

\$2.95

REVOLVING EAGLE COUNTER DISPLAY RACKS For Post Cards



No. 4

No. 4—displays 28 horizontal and 24 vertical. Capacity, 1300 cards. Height 26 inches; diameter, 15 inches. Shipped k d in cartons, 14 lbs.

Price \$8.00

No. 5—displays 42 horizontal and 24 vertical. Capacity 1650 cards. Height, 26 inches. Shipped k d in cartons, 17 lbs.

Price \$9.00

No. 6—displays 28 horizontal. Capacity, 700 cards, diameter 6 inches. Shipped in k d cartons, 9 lbs.

Price \$7.00

MASTER DODGER



The Master Dodger has been made providing an assortment of masks commonly used and an extra strip of material from which special masks may be made. All these are instantly interchangeable in the dodger holder, which is made of stainless steel with a convenient wood handle. The feel of this little instrument makes it very pleasing to use, and its versatility makes it a necessity to all serious workers. It is a proven accessory, equally valuable to professional and amateur alike. Stainless Steel Dodger Holder, Press Board Masks.

PRICE \$1.25

NEGO RED DODGER

For local intensifying on negatives and films. Apply and rub with cotton film side. Work on retouching stand. Apply only to the part you wish to be intensified. More you rub in, more intense it becomes. Very small parts intensify with cotton on a hard toothpick. Intensifies only the spot where you rub. In case of mistake or overlapping remove with Nego Red Remover. For a very deep intensification use liquid Nego Red.

Price per jar (net $\frac{3}{4}$ ozs.) \$0.60



NEGO RED DODGER REMOVER

A solution for completely washing off Nego Red Intensified.

Bottle \$0.25

COCCINE DODGING MEDIUM

A red dye soluble in water. Has the property of coloring gelatine uniformly without staining, with the further advantage that it may be reduced or entirely washed out of the negative with water. Applied in watery solution with a camel-hair brush, it is useful for covering large or small parts of the shadows in order to equalize the lights and shades of the negative. Whole backgrounds may be lightened up, and points of light applied of any required density.

10-gram bottle \$1.00

**EAGLE MARL—DODGING MEDIUM****For Operator, Printer, Retoucher**

Is an invaluable aid to operator, printer and retoucher. For working in shadows and backgrounds on the negative it has no equal. Invaluable for blocking out and vignetting. Far superior to any opaque. Sold in jars with screw top.

Price, per jar\$1.00

QUICKDRYER**A Solution for Drying Negatives in a Few Minutes**

With Quickdryer negatives can be dried in less than five minutes after they have been washed by placing them in this preparation and then drying them by artificial heat. It makes the gelatine insoluble and eliminates all traces of hypo that may not have been washed out of the negative.

Per 4 oz. bottle\$0.25

**Viscose Film and Plate Drier**

An ingeniously constructed device which wipes off moisture from films and plates—evenly, thoroughly and instantaneously. The rustproof metal handles prevent the user from getting his hands wet during the drying process. Film, in drying, is passed between the sponges pressed tightly together; in drying plates, the sponges are held flat against one side of the negatives.

PRICE\$1.45

LOTT FAST FLAT DRYER

Low priced quality print dryer 11" x 14½" drying surface, maintains temperature of 180°F. (ideal for drying either mat or glossy prints), comes equipped with a standard 10 x 14 top quality chrome steel ferrotype plate. Sealed-in heating element is unconditionally guaranteed for 5 years. Welded construction makes it practically indestructible. An exclusive feature is the turn buckle used to take up slack on the canvas, thereby affording constant, uniform, tension.

Complete with 10" x 14" chromium ferrotype plate

\$6.95

INCL TAX



LOTT ROTO PRINT DRYERS



Designed for both glossy and dull finish prints. Even distribution of heat over the Mirror finish Chromium plated drying drum dries prints evenly in four to eight minutes depending on the weight of paper.

Easy to use—Just place glossy prints face down in chromium drum, matte prints face up. A turn of the handle pulls the canvas over the prints. Prints dry straight and even.

Available in two sizes.

Standard Model—12" x 28" Chromium Mirror Surface. Uses 180 watts.	
Price—Tax Included	\$17.35
Professional Model—24" x 28" Chromium Mirror Surface. Uses 300 watts.	
Price—Tax Included	\$26.00
Rotomaster—23" x 28" Stainless Steel drum, Temperature control.	
Price—Tax Included	\$38.45

ARKAY'S PRINT DRYER

Nationally advertised . . . Nationally preferred for results!



Photo fans will recognize Arkay's quality and value instantly! Favored for its advance features! Has variable heat selector . . . lifetime heating element . . . shockproof . . . even heat radiation over entire surface . . . hand switch . . . moisture-resistant heating surface . . . long life apron . . . steel handle . . . ratchet release and plate . . . rubber bumpers.

FEATURES ALL EIGHT MODELS —

With Enamel Drying Surface:

Model E-10 single sided 13" x 15½"	\$ 7.35
Model F-14B double sided 13" x 15½"	12.10
Model F-17 double sided 13" x 18½"	17.80

With Chrome Drying Surface:

Model C-10 single sided 13" x 15½"	9.50
Model F-14C double sided 13" x 15½"	16.50
Model F-17C double sided 13" x 18½"	25.00
Model A-20 single sided 15½" x 21"	36.85
Model A-24 single sided 19½" x 24½"	40.85

NEW FOTOFLAT DRY MOUNTING PRESS

16 x 20 and smaller (3 sizes)

NEW JUNIOR SIZE

For Amateurs, Camera Clubs
and Small Studios

Now all the modern, completely automatic features of our finest dry mounting press come in this convenient new size! Solidly constructed, rigidly tested. Mounts 8" x 10" prints in 3-5 seconds, one operation. Takes prints and mounts up to 16" x 20" in sections. A natural when quality plus economy makes the sale.

\$44.50



STANDARD SIZE

Photographers everywhere recognize the superior quality of Fotoflat presses. They like the convenience and quick sure action of special features like the thermostatic heat control, automatic timer, adjustable pressure control. Takes prints up to 16" x 20".

\$94.05

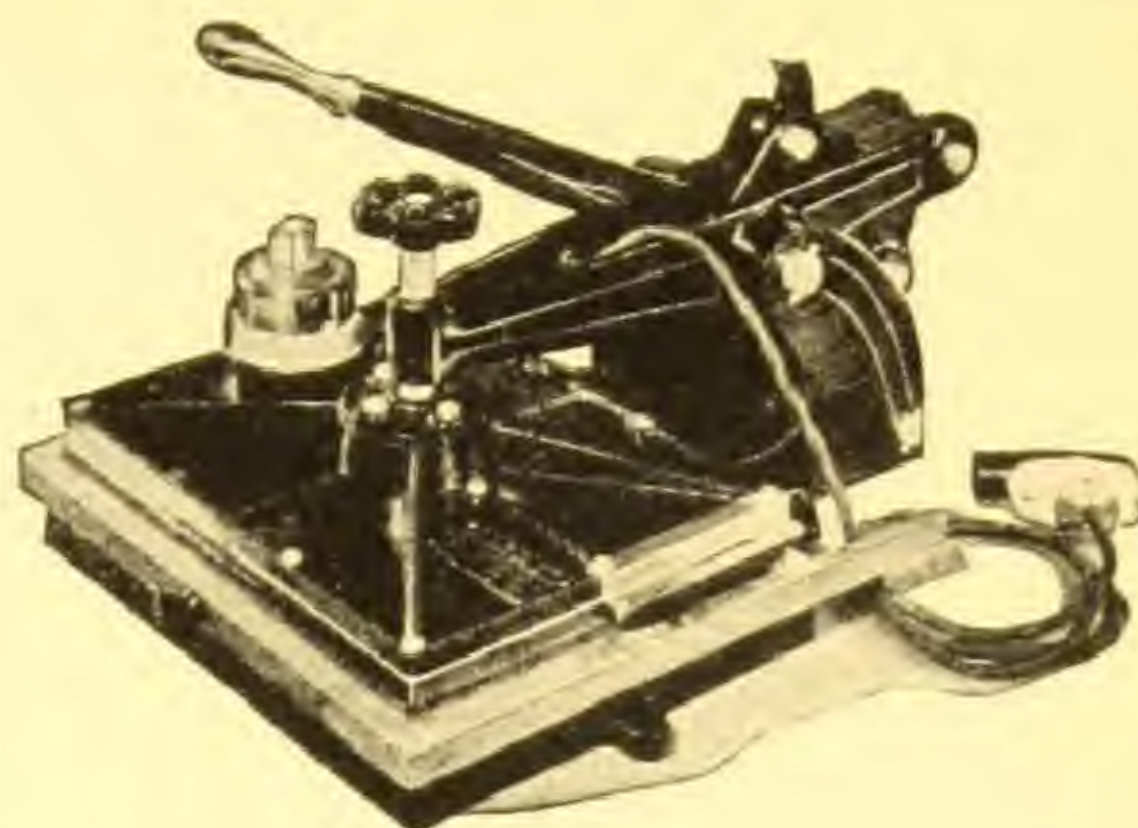


SPECIAL JUMBO SIZE

Open on three sides, this model handles prints up to 36" x 108". A good item for larger studios specializing in blow-ups. Has all the top-quality features of the Standard model.

\$112.05

tacking iron	\$162 00
Extra Electric Tacking Irons, each	120 00
Thermometers	5.15



PRICE \$4.85



	Per Roll
10 yds., 20" wide	1.72
10 yds., 40" wide	3.32

LASSEN'S MULTIPLEX DUPLICATOR

This new device will add greatly to the amusement of the amateur photographer who will at once appreciate the advantage of being able to make three exposures with the same lens, on the same film or plate, each one a perfect photograph, yet all three so merged into one another that the appearance of one complete photograph is secured.

Lassen's Multiplex is made in two sizes:

No. 1 for Lenses not larger than $1\frac{1}{8}$ inch. No. 2 for Lenses not larger than $1\frac{1}{2}$ inch.

PRICE 50 CENTS

EAGLE DUPLICATORS

The Eagle Duplicator is a little instrument made in the form of a lens cap, having an opening in one side of the front face.



When placed over the front of the camera lens, this opening may be used to give two separate exposures on the two halves of the plate without showing the dividing line.

No.	Diameter Inches	Price
0	$\frac{3}{8}$	\$0.50
1	$1\frac{1}{8}$	.50
2	$1\frac{3}{8}$	.60
3	$1\frac{1}{2}$	.60
4	$1\frac{3}{4}$	.75
5	2	.75
6	$2\frac{1}{4}$	.90
7	$2\frac{1}{2}$	1.00
8	$2\frac{3}{4}$	1.00
9	3	1.25



DYES FOR PHOTOGRAPHIC PURPOSES

	Per Oz.
Acid Green	\$1.50
Acid Yellow	1.50
Acid Blue Greenish	1.50
Acid Blue Reddish	1.50
Acid Blue Bluish	1.50
Acid Amber	2.00
Acid Amaranth	2.00
Acid Pink	2.00
Acid Red Yellowish	1.50
Acid Red Bluish	1.75
Acid Violet 4-B	2.00
Acid Heliotrope F A V R	1.50
Tartrazine	1.25
Acid Naphtol Yellow	1.50
Acid Ponceau 2-R	1.50
Acid Chinoline Yellow	2.00
Aniline Violet Gentian, $\frac{1}{4}$ lb.	1.50
Naphtalene Black, 1 oz.	1.50

BASIC DYES	Per Oz.
Chrysoidine Y	\$1.50
Malachite Green	1.75
Methylene Blue	1.75
Methyl Violet	1.75
Safranin Y	2.00
Rhodamine B-Ex	2.00
Rhodamine (Basic Red)	3.00
Vesuvine	1.50
Victoria Blue B	1.75
Fuchsine	2.00
Auramine 00	1.50
Eosine Y	1.50
Erythrosine	2.00
Phloxine B	2.00
Rose Bengale	2.00
Crystal Violet 6-B	2.00
Thioflavine (Basic Yellow)	2.00
Patent Blue (Basic Blue)	2.00

DANDY ENLARGING EASEL (All Metal)



These easel have several novel and highly desired features. All metal construction throughout, the adjustable masking arms slide easily but precisely over plainly legible lines, masked off in $\frac{1}{8}$ " and stay put wherever set, without warp or twist. The edges of your print are accurately aligned, clean and sharp.

Accommodates paper up to 11 x 14 inches. A series of pre-spaced guide holes in the base permits practically instantaneous adjustment of borders from $\frac{1}{4}$ to $1\frac{3}{4}$ in.

Dandy Enlarging Easel —
11 x 14 \$10.90

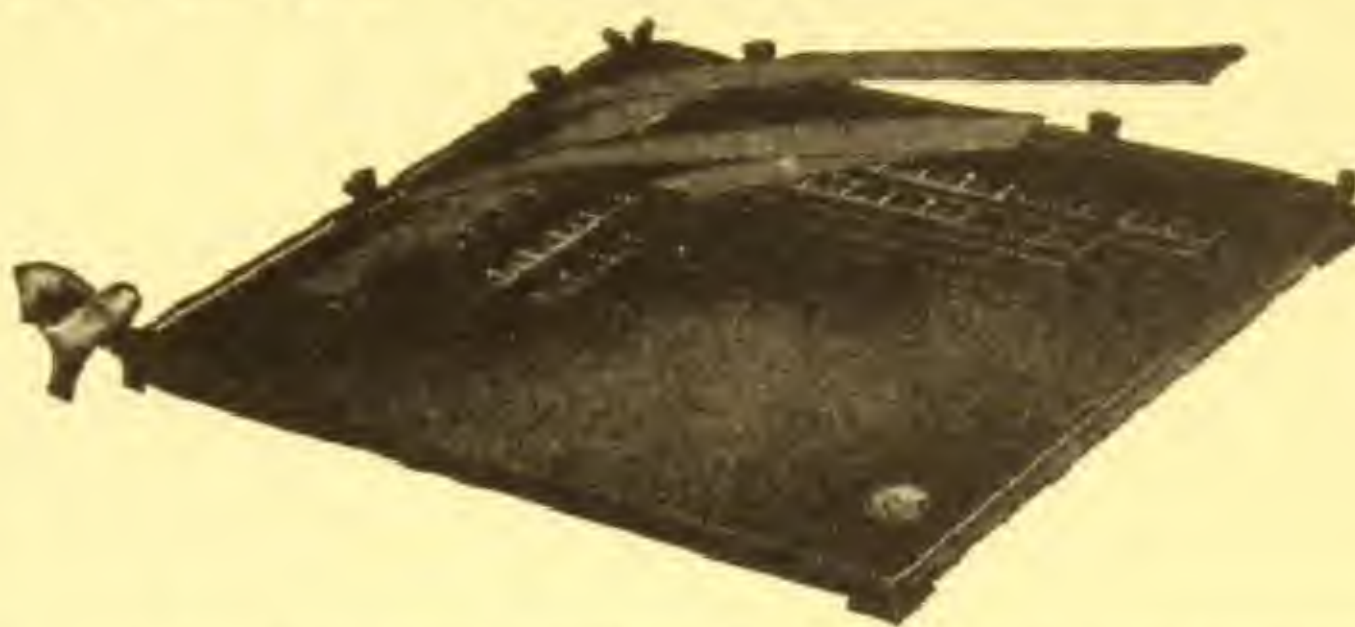
Fed. Exc. Tax incl.

GLOBE EASEL

This durable, all-metal constructed easel is a low-cost unit, comparable in price to any of the least expensive easels on the market, yet embodying features found only in the highest priced type of easel. It is equipped with four adjustable masking strips and is so designed that paper may be centered on the easel. There

is no need to shift the easel to precarious positions to make small enlargements. Soft rubber strips are on each corner to eliminate sliding. An ingenious device allows all four masking strips to be raised quickly in one operation. They can be raised entirely or stopped at any point where they will stay put, making production much faster and easier. Three built-in slots hold the paper firmly in position and accurately center standard sizes, such as: 5x7, 8x10, 1x14.

PRICE \$9.45



STANDARD PROJECTO-EDITOR—Big, clear 3 1/4" x 4 1/4" viewing screen. Superb action editing. Sold separately or mounted on flat base in combination with splicer and Junior, Senior or Master Rewinds. 8 or 16 mm Projecto-Editor only \$47.50. Combinations from \$57.50.



FOLD AWAY PROJECTO-EDITOR—All the action editing of the Projecto-Editor plus a new all metal base which folds for storage or carrying in deluxe case. Base and case may be purchased separately. Complete Fold Away combinations from \$89.50. Base only \$7.50.

Cine-Kodak Editing Viewer



A real convenience . . . a real time-saver in editing. Projects your movies on its built-in screen . . . lets you mark scenes to be edited. Available in 8mm. and 16mm. sizes. **\$27.50.**



Cine-Kodak Master Editing Outfit

Top-notch outfit for the serious movie worker. Includes rewind, Senior Splicer, Editing Viewer, and all-metal base. 16mm. movies only, **\$95.**

Cine-Kodak Editing Kit

A cutting room in miniature—all fitted in a handy case. Contains rewind, editing bracket, Senior Splicer, Editing Viewer, work tray, and storage space for reels and cans. Either 8mm. or 16mm. model, **\$85.**



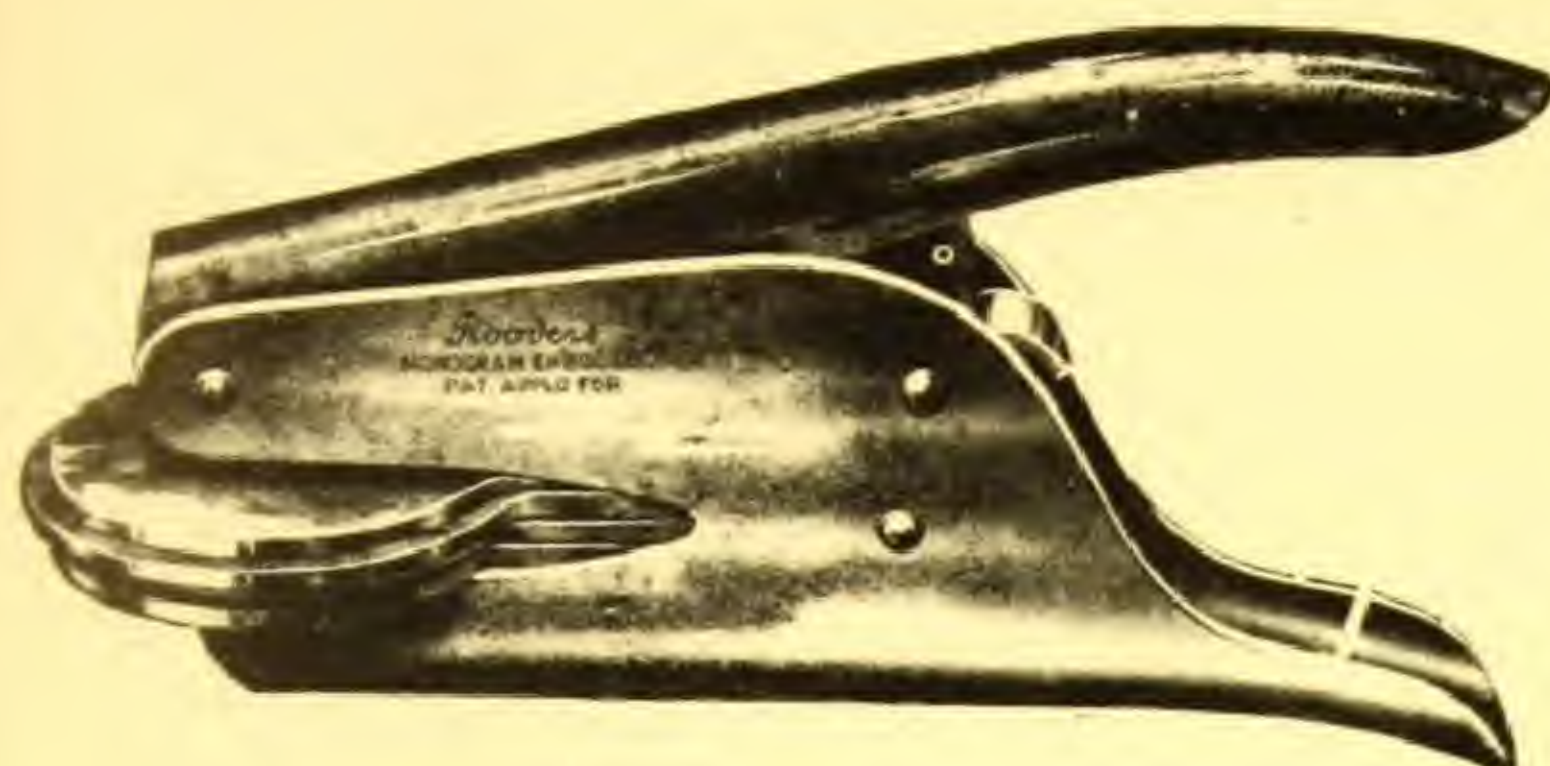
Cine-Kodak Senior Editor

Fine basic editing outfit—includes Senior Splicer, geared-spindle rewind, and a sturdy hardwood base. For both 8mm. and 16mm., **\$37.50.**

EKTACOLOR AND PAN MATRIX FILMS

	Price Inc. Federal Tax		Number of Sheets Per Pkg.	Price
Kodak Ektacolor Film				
1 sheet pkg. 4 x 5	\$7.20			
5 x 7	11.00			
8 x 10	24.12			
	Price			
Kodak Ektacolor Processing Kit				
Sufficient to prepare 1 gal.	\$4.00			
3½ gal.	10.00			
SEPARATE UNITS				
Kodak Ektacolor Color Developer				
Sufficient to prepare 1 gal.	\$1.72			
3½ gal.	4.40			
Kodak Ektacolor Stop Bath				
Sufficient to prepare 1 gal.	\$.48			
3½ gal.	1.00			
Kodak Ektacolor Hardener and Fixer				
Sufficient to prepare 1 gal.	\$.60			
3½ gal.	1.40			
Kodak Ektacolor Bleach				
Sufficient to prepare 1 gal.	\$1.28			
3½ gal.	3.60			
	Number of Sheets Per Pkg.	Price Inc. Federal Tax		
Kodak Ektacolor Black and White Proof Paper				
8 x 10	10	\$.74		
11 x 14	10	1.27		
14 x 17	10	1.92		
16 x 20	10	2.53		
Kodak Pan Matrix Film				
10-sheet pkg.				
6½ x 8½ (for 5 x 7 and small prints)		\$4.04		
10 x 12 (for 8 x 10 prints)		7.36		
11 x 14 (for 10 x 12 prints)		9.40		
11½ x 15¼ (for 11 x 14 prints) ..		10.59		
14½ x 18¼ (for 14 x 17 prints) ..		15.95		
16½ x 21¼ (for 16 x 20 prints) ..		20.93		
	Price			
Kodak Pan Matrix Film Developer				
Sufficient to prepare 2 gal.		\$2.16		
Kodak Pan Matrix Film Stop Bath				
Sufficient to prepare 1 gal.		\$.48		
Kodak Dye Transfer Paper				
8 x 10	25	\$1.44		
	100	5.20		
	250	12.04		
10 x 12	10	.92		
	50	3.92		
	250	16.56		
11 x 14	10	1.16		
	50	5.00		
	250	21.24		
14 x 17	10	1.76		
	50	7.68		
	250	32.64		
16 x 20	10	2.36		
	50	10.28		
	250	43.68		
20 x 24	10	3.52		
	50	15.28		
	250	64.92		
Kodak Matrix Dye Set				
Sufficient to prepare 1 gal.		\$7.20		
Kodak Glacial Acetic Acid				
16-oz. bottle .....		.52		
Kodak Dye Transfer Paper Conditioner				
1 qt. ....		.72		
Kodak Sodium Acetate (Des.)				
4-oz. bottle .....		.28		
1-lb. bottle .....		.48		
		Per Packet		
Kodak Matrix Highlight Reducer				
Carton of 6 packets, each suf- ficient to prepare 1 qt. ....		.12		
EQUIPMENT ITEMS				
		Price Inc. Federal Tax		
Kodak Vacuum Register Board				
Small (for prints 5 x 7 through 10 x 12)		\$24.86		
Large (for prints 11 x 14 through 16 x 20)		31.07		
Kodak Transfer Register Board (Kodak Vacuum Register Board can also be used in transferring)				
Small (for prints 5 x 7 through 10 x 12)		18.64		
Large (for prints 11 x 14 through 16 x 20)		24.44		

EAGLE HAND EMBOSSERS



For light work on double weight unmounted prints, light weight cover stock, letterheads, envelopes, checks and many other purposes around the studio, home, or office.

To order an embosser:

1st—select style you desire from one of those illustrated.

2nd—refer to the table given below which will tell you the extreme number of letters (figures, spaces and marks to be counted also) that we can get on dies. If what you want on your die contains more than the

number allowed, you must change it or use a different style. For best results it is better to allow one letter less than given on table.

3rd—state whether you want to emboss on top, side or bottom of print. Embossers for double weight prints are usually used from the bottom. For envelopes, not paper, etc., they are used from top.

Inasmuch as each embosser is made to order, specially, with your wording, we cannot send them C.O.D., but must have your remittance with order excepting where you have an open account with us.

Tables showing number of letters allowed, sizes, and prices

Size	Letters	SIZE No. 1	Price
No. 1	18	SIZE No. 2	1 Line \$5.00
No. 2	21	SIZE No. 3	2 Line 6.00
No. 3	24	SIZE No. 4	3 Line 7.00
No. 4	28	SIZE No. 5	4 Line 8.00
No. 5	33		5 Line 10.00

POND & TUDOR CO.
SITKA, ALASKA

No. 115C \$6.00

Elmwood Pharmacy
High Class Prescriptions
ELMWOOD, IND

No. 119C \$7.00

Rose Shirley
MANICURING
HAIRDRESSING
25 PALM AVE.
ATLANTA, GA.

No. 114C \$10.00



250 SEVENTH AVE.
TROY, N. Y.

No. 58C \$9.50

Elsie S. Goddard
Modiste
105 CENTRAL BLDG
SYRACUSE, N. Y.

No. 124C \$7.50

THE PRINT EMBOSSE

Popular demand for enlargements with plate-sunk centers call such a device as the Print Embosser into almost constant use in the finishing laboratory. You know the way these pictures are made—the cardboard form or pattern which is to give the embossed effect and the face-down print are placed on a light-table so the enlargement may be scored. This handy embossing tool has a rotating ball in the end of the metal rod which is fixed firmly in the handle. Each \$1.25



COLOR EMBOSSING MACHINE



\$59.50

EMBOSSING YOUR MOUNTS IN COLOR

You can stamp your name on folders, albums, mounts, in gold or colors.

It puts the right finishing touch on your finished picture.

Any standard roll of gold leaf or color leaf will fit.

The roll of gold leaf gives approximately 2,000 impressions.

Machine size 8" wide, 12" long, 12" high, weight 30 lbs., die area 1 1/4" x 3"—all steel construction.

Inexpensive — easy to operate . . . price of machine \$59.50

Price of the brass imprint die \$8.50

250 ft. roll leaf, imitation gold, silver or black price \$1.50 per roll

For stamping on leather 24K gold leaf—\$4.25 per roll

1 self centering typeholder	\$ 7.50
1 wooden type cabinet	1.25
1 font "B" type	14.00



ENLARGER COVERS

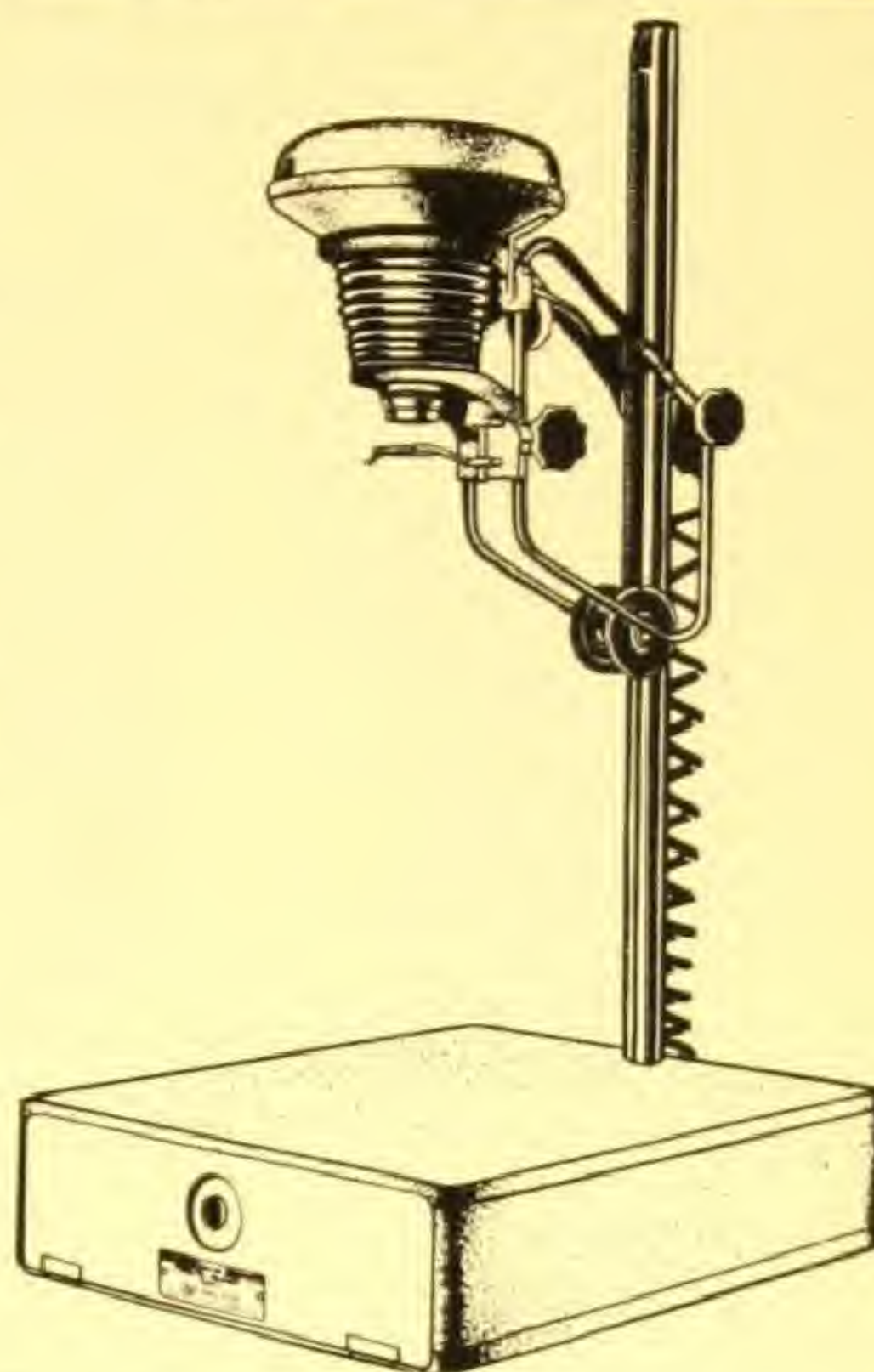
Protect your enlarger and other photographic apparatus from dust and grime with one of these new enlarger covers. Supplied in two types: Vinylite, a transparent product which permits the article covered to be clearly displayed, at the same time protecting it from dust. Durable, will not tarnish metal. Absolutely water-proof.

No. 1—Vinylite Enlarger Cover 23 x 30 1/2 \$1.50

No. 2—Vinylite Enlarger Cover 31 x 34 1.75

KODAK FLUROLITE ENLARGER

The Kodak Flurolite Enlarger (at right, is a connoisseur's choice, with every facility for printing control . . . lens interchange and ample bellows for everything from reductions to blowups . . . tilting and rotating carrier for distortion control . . . simultaneous two-hand manipulation of focusing and magnification, rivaling the speed of auto-focusing but without its cost . . . heavy column and double trapezoidal bracket for extreme rigidity and freedom from vibration . . . large, easy-to-grasp hand controls . . . head swing which, with rotating negative carrier, lets you place any part of the image at any position on the easel . . . and even a capacious lighttight cabinet built into the base. Yet the price, less lens, is only \$112.50.



YOU can make SNAPSHOTS from your MOVIE FILMS



FEDERAL ENLARGING CAMERAS

Ⓢ for 8mm or 16mm movie film

Exclusive SELECT-A-FRAME eliminates guess-work! Built-in illumination for rapid exposure! No darkroom needed! No splicing or cutting!

It's as easy as taking a snapshot to capture the big moments of your favorite reels. Insert movie film—Select best frame—Push button! That's all you do to get clear, wallet-size pictures. Album memories! Keepsakes for your friends!

Use #127 roll film (black-and-white or Kodacolor). Your photo-finisher will develop and print eight full-size pictures (1 1/8" x 2 1/2"), jumbo prints (2 3/4" x 4"), or greater enlargements can be made!

Model 8A for 8mm or Model 16A for 16mm **\$19.95**
COMPLETE INCL. FED. EXCISE TAX

An Outstanding
New Enlarger

Budget priced at

\$47.50

COMPLETE
Inc. Fed. Tax.



KODAK HOBBYIST ENLARGER

—Here's an inexpensive 2 1/4 x 3 1/4 "cold light" enlarger with an f/6.3 lens. Enlarges up to seven magnifications; accommodates negative sizes from 35mm. through 2 1/4 x 3 1/4 inches; 22-watt fluorescent lamp; click stops on lens down to f/32; handsome, gray wrinkle lacquer finish has eye appeal.

SUN-RAY ENLARGERS

MASTERCRAFT "45" — 4 x 5

Of practical design and careful rugged construction. A unit of adaptability and reliant performance. The MASTERCRAFT "45" will produce the finest enlargements for amateurs or professionals.

Precision Focusing—
Pin point accuracy on
double track friction
rods.
Special drop jaw nega-
tive gate.
Interchangeable lens
board

Glassless negative
carrier.
Opal diffusion and heat
absorbing glasses.
Counter balance spring
for easy operation.
75-Watt opal enlarging
bulb.
18"x24" Baseboard.

(Without Lens) \$92.50

Plus \$13.88 Excise Tax

MASTERCRAFT "23" — 2 1/4 x 3 1/4

For the more advanced amateur. It is a bellows type unit built with many of the fine features of much higher priced enlargers. Has Precision Focusing (Pin-point accuracy on single track friction rod). It contains an interchangeable Lens Board. Supplied with Glass Negative Carriers (with assorted size fibre masks). Complete with all of the above plus, bulb, diffusing glass and a 3 1/2" Ilex Lens with Iris Diaphragm.

(With Lens) \$39.50

Plus \$5.93 Excise Tax

ARNOLD "D" — 2 1/4 x 3 1/4

Precision Focusing—
Pinpoint accuracy on
double track friction
rods.
Special open-jaw strip
film release.
Built-in distortion
control.
Horizontal and vertical

projection.
Interchangeable lens
board.
Removeable condensers.
Glassless masks.
Counter balance spring.
75-Watt opal enlarging
bulb.
18"x24" Baseboard.

..... \$64.25

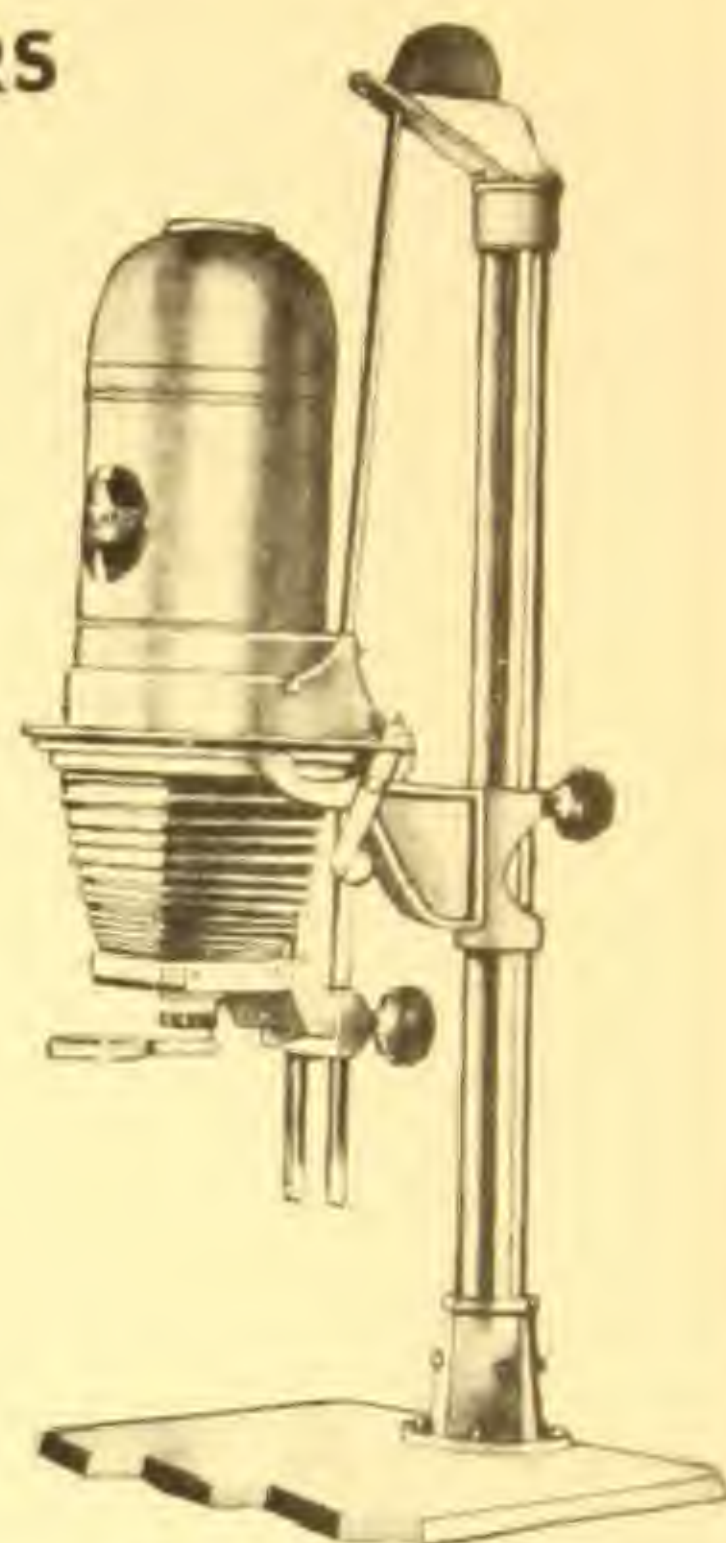
Plus \$10.25 Excise Tax

ARISTOCRAT — 2 1/4 x 3 1/4

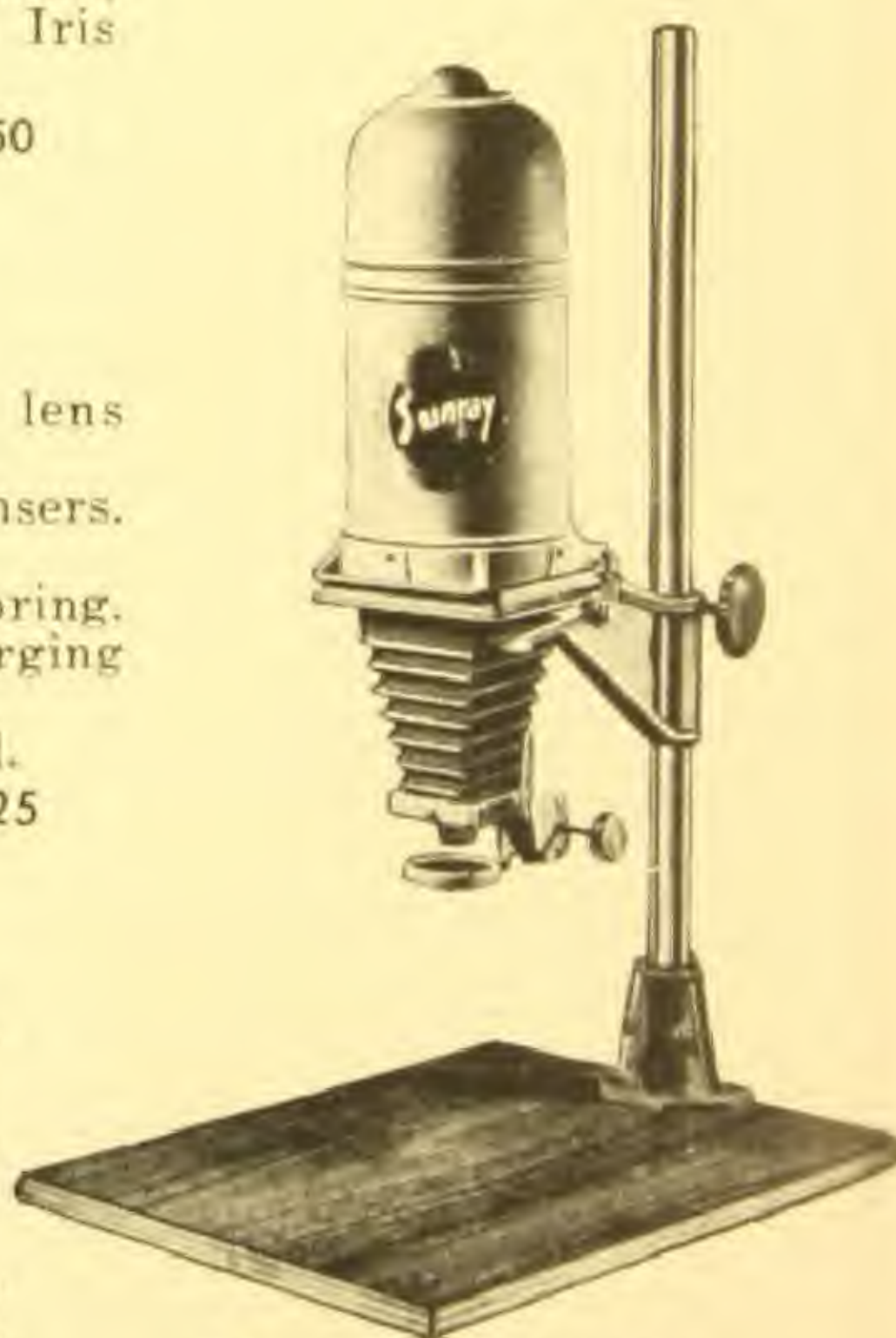
For the beginner in photography. Takes negatives from 35mm to 2 1/4 x 3 1/4. Supplied with double fibre negative holder, easily accessible "in and out" of the enlarger's special "Open Jaw".

Entire Unit can be telescoped to fit into a convenient handy "TUCK AWAY" carrying carton.

(With Lens) Tax Included \$14.95

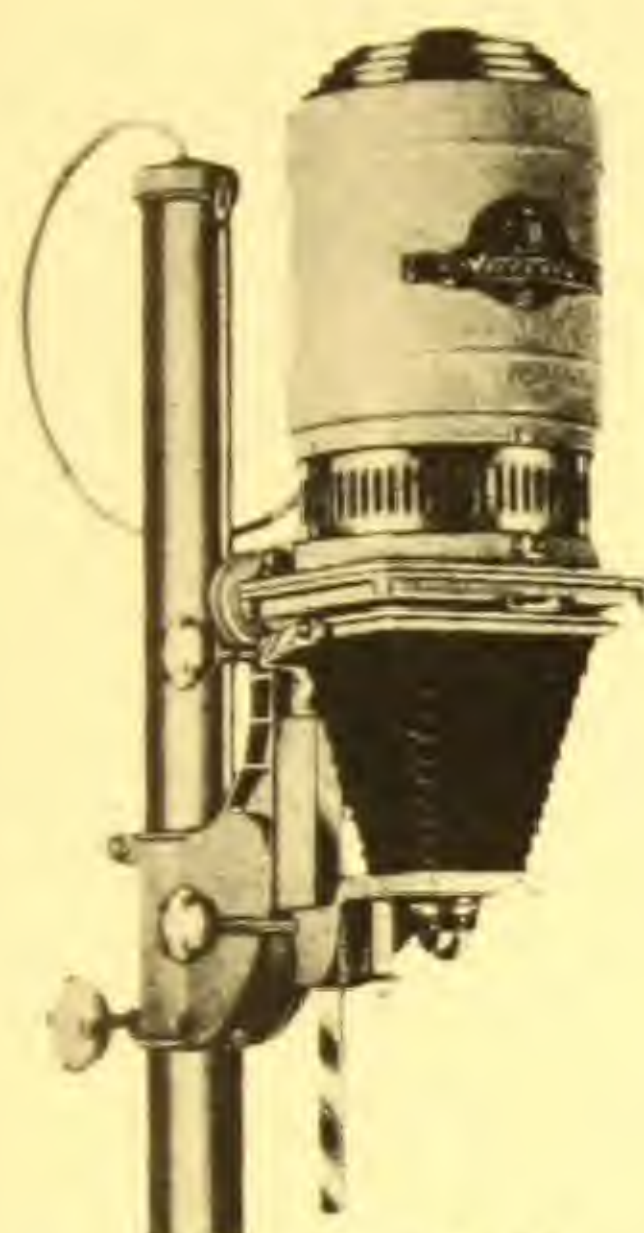


Mastercraft "45"



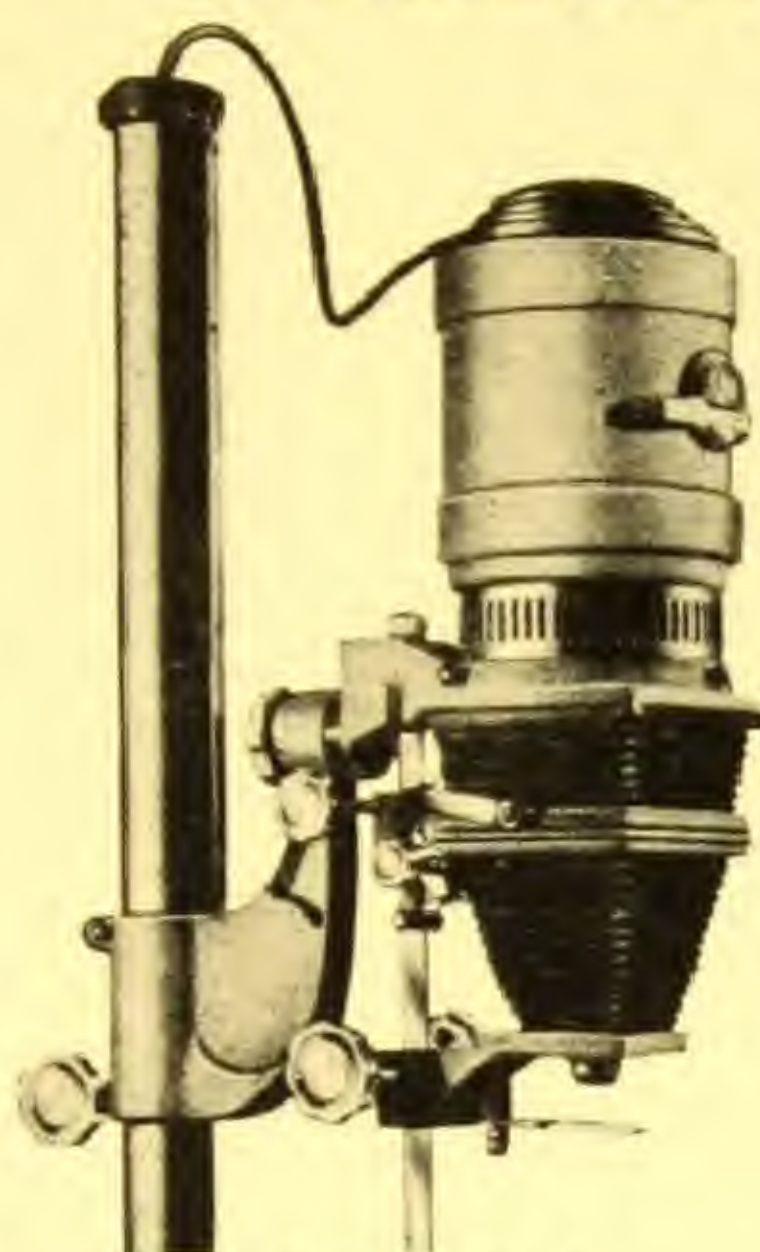
Mastercraft "23"

DEJUR ENLARGERS



Versatile II

- Accommodates all negatives to 3 1/4" x 4 1/4" (enlarges 3 1/8" x 3 1/8" area only)
- Embodies the same condenser system as Versatile I
- Dual type controls provide easy right or left hand operation
- Can be used in horizontal position for making extreme enlargements
- Supplied with 3 1/2" f/4.5 coated lens



Versatile I

- Accommodates all negatives to 2 1/4" x 3 1/4" (6x9cm.)
- Plano-convex condenser system affords maximum brilliance
- Long and short focus lenses can be interchanged without changing or adjusting condenser system
- Complete distortion control
- Exclusive patented "Aero-Tech" ventilated lamp house
- Supplied with 3 1/2" coated f/4.5 lens



Versatile PROFESSIONAL

- Accommodates all negatives up to 4x5 (10x12cm.)
- Tilting lensboard for distortion control
- Patented "Aero-Tech" ventilated lamp house
- Perfect for horizontal enlarging and wall projection
- Plano-convex condenser system provides maximum brilliance
- Supplied with 5 1/2" f/4.5 coated lens

The Professional, 4x5

The Versatile I, 2 1/4 x 3 1/4

The Versatile II, 3 1/4 x 4 1/4

179.50

129.50

99.00

FEDERAL ENLARGERS



Model
314
315

STORE-AWAY — Miniature to 2 1/4 x 3 1/4

MODEL 288: diffused illumination. Complete with Bifax F7.9 lens... **\$29.75**

MODEL 269: diffused illumination. Complete with F6.3 lens... **\$39.50**

MODEL 279: condenser illumination. Complete with F6.3 lens... **\$47.00**

MODEL 311: condenser illumination. Complete with F4.5 lens... **\$69.50**

STANDARD — Miniature to 2 1/4 x 3 1/4

MODEL 312: diffused illumination. Complete with F6.3 lens... **\$53.00**

MODEL 314: condenser illumination. Complete with F6.3 lens... **\$76.00**

MODEL 315: condenser illumination. Complete with F4.5 lens... **\$89.50**

PROFESSIONAL — Miniature to 4 x 5

MODEL 450: diffused illumination. Complete with F6.3 lens... **\$112.50**

MODEL 470: condenser illumination. Complete with F6.3 lens... **\$134.50**

**SOLAR 57**

Vertical, can be used horizontally; takes film sizes from 35 mm to 5x7; designed for use as a projector; ground glass diffusion illumination; 150 watt on 115 line voltage; optional lens equipment; rack-and-pinion focusing; glass or metal negative carrier; provision against Newton's rings; lamp house tilts and swings; distortion control; built-in red screen for focusing; toggle switch on table top; non-actinic base-

board. Price, without lens,

84.59

**SOLAR 120**

Vertical; takes film sizes from 35 mm to 2 1/4 x 3 1/4; designed for use as a projector also; 2-element condenser illumination; 150 watts; optional lens equipment; rack-and-pinion focusing; metal negative carrier; masks included for 2 1/4 x 3 1/4 film size or whatever size requested; film advance without removing roll; lamp-housing tilts and swings; table-top toggle switch; double extension

bellows; oversize condensers; interchangeable lenses. Price, without lens,

64.18

KODAK AUTO-FOCUS—MODEL E

Vertical; takes up to 5x7 film and plates; ground and sandblasted glass diffusion illumination; G-E No. 302 500-watt opal enlarging lamp; ventilation provision; 7 1/2-inch coated f/4.5 Kodak Ektanon Enlarging lens; click stops; 4 diameters enlargement on base-board; combination glass sandwich and metal frame negative carrier; built-in mask adjustable from 35 mm to 5x7; foot switch; 17x20 enlarging easel; diffusing disc holder; graduated scale on two sides of paper easel; lens diaphragm illuminator on lens board. Price,

480.00

**SOLAR 45C**

Vertical, can be used horizontally; takes film sizes from 35 mm to 4x5; designed for use as a projector; 2-element condenser illumination system; optional lens equipment; rack-and-pinion focusing; metal negative carrier; movable lamp housing; toggle switch on table top; double-extension

bellows. Price, without lens, **\$139.42**

SOLAR AUTOFOCUS

Vertical; takes film sizes from 35 mm to 2 1/4 x 3 1/4; combination condenser illumination system; 3 1/2-inch coated Wollensak Raptar f/4.5 Enlarging lens; 9 diameters enlargement on baseboard; metal negative carrier; autofocusing; film advance; distortion control; built-in red screen for focusing; toggle switch on table top; masks included for 2 1/4 x 3 1/4 film size. Price,

149.50

KODAK PRECISION—B ASSEMBLY

Similar to A Assembly model specifications, except that it takes up to 4x5 film sizes; opal diffusion illumination with heat absorbing glass; power cooling; choice of nine Kodak lenses; built-in masking device; hand switch; allows fan on or off during exposure; projects to floor or wall by rotating lamp housing. Price, less lens and

lens board,

149.83

ELWOOD STUDIO S-2



Vertical; takes film sizes from 35 mm to 5x7; semi-diffusion illumination, silvered reflector; 100-watt opal enlarging lamp; 120 recommended line voltage; rack-and-pinion focusing; glass sandwich negative carrier; lamp house swings and tilts; built-in red screen for focusing; built-in masking device; focusing spot in negative carrier; dual focusing; optional lens equipment. Price, less lens,

73.60

ELWOOD SPECIAL SP-2



Vertical; takes film sizes from 35 mm to 5x7; silvered reflector illumination; 200-watt enlarging lamp on recommended 110 line voltage; 6-diameter enlargement on baseboard in vertical position; rack-and-pinion focusing; glass sandwich negative carrier; lamp housing tilts and swings to permit bigger enlargements; built-in red screen for focusing; built-in masking device; dual focusing; clamping hand-wheel; focusing spot in negative carrier; cast aluminum base. Price, less lens,

105.60

SIMMON

ENLARGERS



OMEGA D II

ELWOOD COMMERCIAL C-2



Vertical; takes film size from 35 mm to 8x10; semi-diffusion, silvered reflector; 200- to 500-watt opal enlarging lamp; optional lens equipment; rack-and-pinion focusing; glass sandwich negative carrier; lamp house swings and tilts; switch on stand; built-in red screen for focusing; built-in masking device; dual focusing; clamping hand-wheel focusing spot in negative carrier. Price,

230.40

OMEGA - D2. Built with a condenser system for every size negative from 35mm to 4x5.

Accepts lenses of various focal lengths from 2" to 6 1/2" and permits the use of auxiliary condensers. Lamp housing is scientifically cooled by Dyna-Thermal Ventilation System. Has twin-Guide Micrometer Focusing, Inclined Girder Supports, Counter balanced Mechanism and Universal Glass Filmholder.

Prices Without Lens

With Colorhead	\$183.50
Without Colorhead	168.50

Plus Tax

\$30.58
28.08

AUTOMEGA - E3. For 5x7 and Smaller Negatives.

Has an autofocusing mechanism for up to three different focal length lenses. The auto-focusing is controlled by a curved track plotted to the focal length of each lens.

Furnished (at prices below) with motor driven shutter, one set of lamps, one square cone lens mount for 7 1/2" lens and one auto-focusing track and universal glass holder.

May be had with special track installed to fit customers lens, and lens attached to lens mount, ready for operation.

(without lens) **\$325.00**

Plus \$54.17 Excise Tax

AUTOMEGA - B3. For negatives 35mm to 2 1/4 x 3 1/4.

Has "MICRO" auto-focusing mechanism for any two lenses from 4" to 2" focal length; rack and pinion raising and lowering; externally adjustable triple condensers; brilliant illumination; ideal for color work; rigid extruded inclined girder to overcome vibration and lateral stress.

(without lens) **\$157.50**

Plus \$26.25 Excise Tax



CINELARGER

NEW! SIMPLE! ECONOMICAL!

Makes fine
enlargements
from 8mm, 16mm
B & W or COLOR
MOVIE FILM

Now you can make fine, lively enlarged prints from your 8mm or 16mm MOVIE FILMS. CINE-LARGER uses standard 620 roll film from which contact prints or enlargements can be made. Every MOVIE-MAKER wants a CINELARGER. Available in two sizes, 8m or 16mm.

Price \$18.95 Tax Incl.

EAGLE KRAFFT MAILING ENVELOPES

500 IN BOX. OPEN END. KRAFT

	Per 100	Per 1000
4 1/8 x 6 1/4	\$0.65	\$5.35
5 1/2 x 7 1/2	0.80	7.50
8 1/2 x 10 1/2	1.45	13.15
10 1/2 x 12 1/2	3.35	22.00
11 1/2 x 14 1/2	2.35	22.00



ROYAL ETCHING PEN

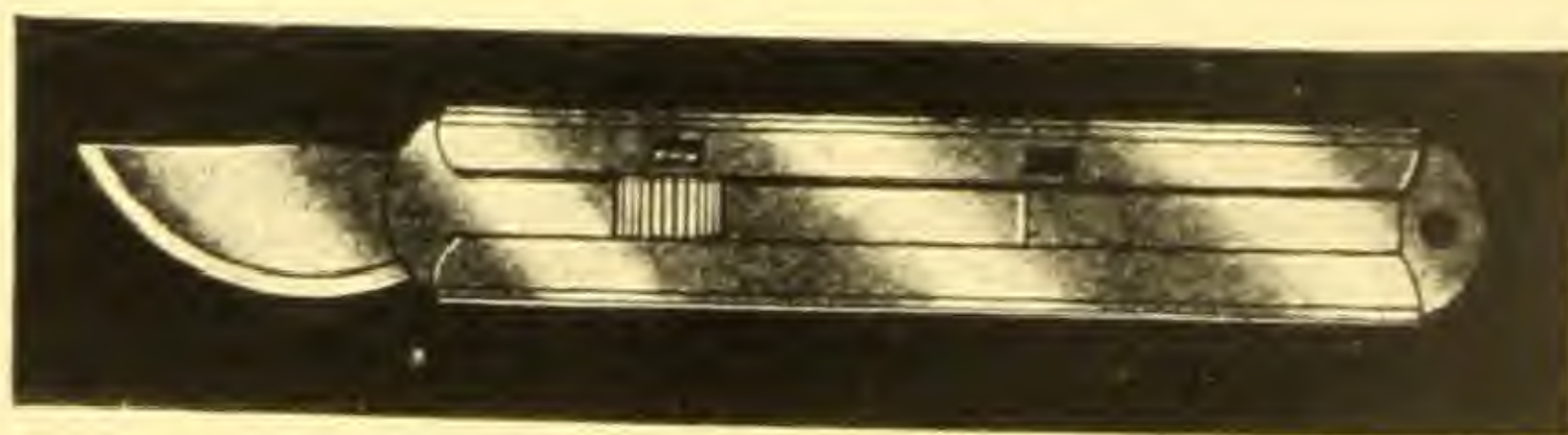
This is a small double edged blade which can be fitted into any pen holder. Extremely



useful for retouching, erasing defects from prints, etc.

Each \$0.25

RE-NU ETCHING KNIFE



ESTIMA Etching Set

For Professional
Photographers
For Advanced Amateurs
For Students
An Etching Set of three
(3) knives and stone

The knives are contained in a substantial cloth lined case. They are made of the very finest steel, tempered to exactly the right degree of hardness, carefully ground and edged; they have wood handles.

Price per set ... \$6.50

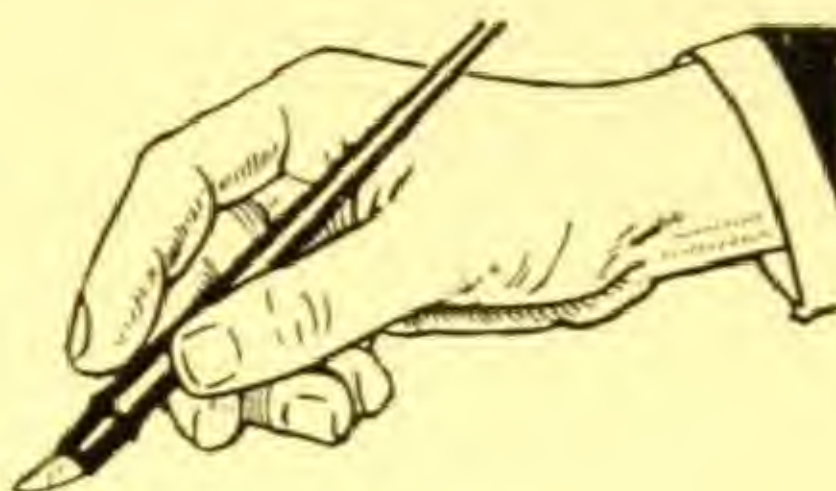
Built on the new principle in pocket knives, with surgical steel blades, which can easily be renewed when necessary. The blades can be slid back into the handle when not in use. Neat stainless steel handle, can be worn on watch chain or key ring.

Re-Nu Etching Knife and 2 blades \$1.00

CRYSTAL GLASS ETCHER

The "Crystal Etcher" actually works far better than the best steel etching knives, yet costs only a fraction of the price of a steel knife. Etching is no longer a case of hit or miss when you use this fine "Crystal Etcher." With this etching tool you will be able to obtain gradations of density heretofore impossible to achieve in retouching.

- Never Needs Sharpening
- Keen Edge Outlasts Steel
- Etches Faster
- Etches More Smoothly
- Works On Film Or Paper



COMPLETE WITH EXTRA TIP

COSTS ONLY \$1.85

Additional Tips At Only 75c. Each

X-ACTO ETCHING KNIFE—with 8 styles detachable blades

**YOU CAN NOW DO FINER WORK
FASTER, EASIER AND SAFER WITH
THIS MODERN KNIFE**

The new X-ACTO Detachable Blade KNIFE is sturdy, pencil-shaped, streamlined . . . well-balanced, easy to handle, quick-cutting. No other knife equals X-ACTO'S standard of sharpness. For most delicate to heaviest-duty cutting requirements X-ACTO does the job right—the first time.

**... SAVE TIME, MONEY
8 STANDARD SCALPEL-EDGED
X-ACTO DETACHABLE BLADES**

The new X-ACTO Scalpel-Type BLADES are shaped for all your cutting needs—made of high-test surgical steel. Blades can be inserted or detached instantly from the "bulldog gripped" safety handle . . . a twist of the metal collar clamps the blade in a bronze chuch . . . the blade can't fold under.

**NEW SURGICALLY KEEN BLADES
KEEP YOUR X-ACTO KNIFE
PERMANENTLY SHARP**

Blade have now been standardized to EIGHT fast moving styles illustrated below. Order by number. Sold

only in packages of 5 of one kind or assorted. Assortment No. 1 contains 2 pieces No. 10, 2 pieces No. 11, 1 piece No. 16. Assortment No. 2 contains one each of Nos. 19, 22, 23X, 24, 25.

Package of 5 Blades .50

No. 1. X-ACTO KNIFE—With blade—accommodates blades 10, 11, 16. For light and medium work. each 50c

No. 2. X-ACTO KNIFE—With blade. Handle accommodates blades 19, 22, 23X, 24, 25. For heavy work. each 50c

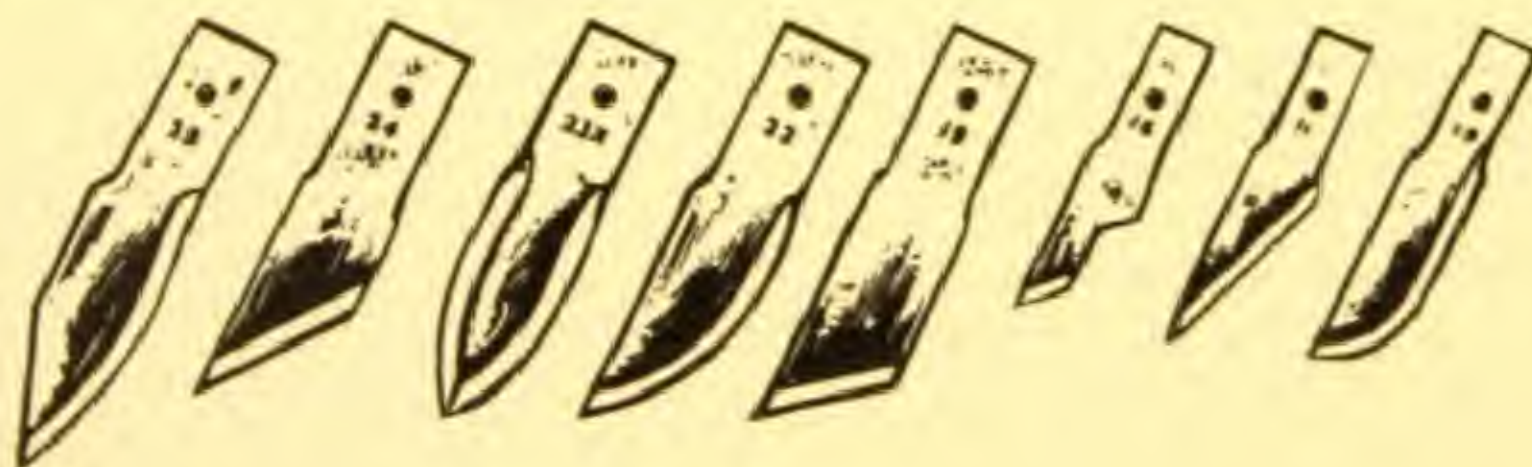
No. 51. X-ACTO SET—with No. 1 Handle and six Assorted Small Blades. each \$1.00

No. 52. X-ACTO SET—with No. 2 Handle and six Assorted Large Blades. each \$1.00

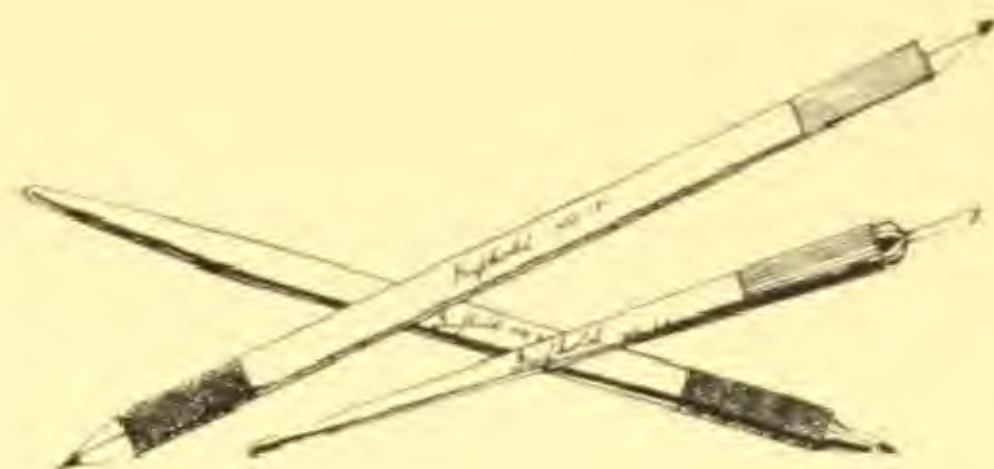
No. 62. X-ACTO DOUBLE KNIFE SET. 2 Handles and 12 Assorted Blades. each \$2.00

No. 5. X-ACTO MAT KNIFE—with 2 No. 24 Blades each \$1.00

No. 82. X-ACTO KNIFE CHEST—X-ACTO Knife handles Nos. 1 and 2 and No. 5 X-ACTO Mat Knife, 12 assorted blades in handy wooden Knife Chest, natural finish. Each blade has its own compartment and is easy to take out and replace. each \$3.50



GRIPHOLD HOLDERS



No. 24 Etching Knife . . . Made of aluminum, satin finish. Etching blade made of high grade tool steel. Heat treated and ground to fine edge.

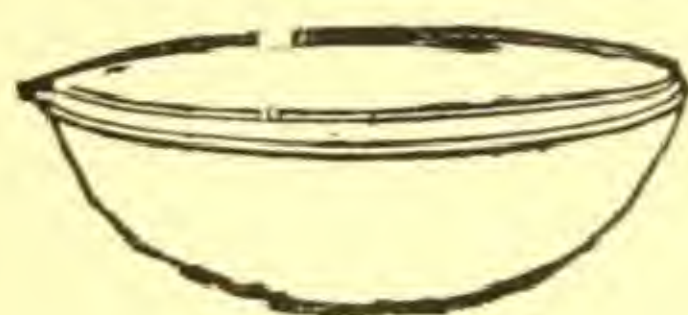
For use in etching negative cut film and stencil material.

Price \$1.00

Extra blades made of high grade steel ground to fine edge 25c. each.

PORCELAIN EVAPORATING DISHES

Glazed inside, with heavy rim around top. Sizes given are approximate.



	Each
7,000 c.c. (7 qts.)	\$12.80
9,000 c.c. (9 qts.)	23.00
10,000 c.c. (10 qts.)	32.00
12,000 c.c. (12 qts.)	40.00
16,500 c.c. (16½ qts.)	57.00



WATKINS 8 MM. CINE EXPOSURE METER

Made in England

For 8mm Cine Cameras, including Cine Kodaks, Bell Howell, Revere, Keystone, etc.

Assure yourself of perfect pictures on your next movies-making venture. The Watkin's Small Cine Meter eliminates all guess work. It shows at a glance what stops the lens should be set at for various lighting conditions. Not a chart, but an actual exposure meter which follows the only correct procedure, (that is, an actual test of the light) which has stood the test of 35 years experience.

ORIGINAL PRICE \$4.00 — CLOSING OUT AT 95 CENTS

WATKINS KINEMATOGRAPH METER

Complete with instructions, with diagram for reading shutter speed of the camera, and chain pendulum (2 beats to second) for timing revolutions of the camera handle.

It indicates in a few seconds from an actual test of the light lens opening to use to get a correct exposure. Each **\$1.00**

THE LEUDI MODEL III

Combines the following features:

1. Small and feather light, size 1x1½x¾". There is nothing to get out of order. Its construction is so that jars and shocks do not affect it at all.
2. It is an optical type exposure meter, but without such drawbacks as adaptation of eye-nerve, fragility, etc.
3. Its operation is simplicity itself. No calculation or guesswork is required. It can be used by anyone, with or without glasses. Its accuracy favorably compares with that of any other exposure meter on the market.
4. The meter reads **DIRECTLY** for the film speeds up to 31 Scheiner, and has a light range from brilliant outdoors to dark interiors.
5. The meter can be used equally well for still and cine cameras, for all occasions, at any time and anywhere.

Price \$2.15



Exposure Meters

WESTON MASTER II EXPOSURE METER



Thin, compact photoelectric exposure meter for all still and movie cameras. Photronic cell with glass baffle restricting light acceptance to camera angle. Sensitive meter movement has high and low light scales, automatically changing as multiplying cover over cell is opened or closed. High light scale has brightness range up to 1600 candles per square foot; low light scale from 1/10 to 50 candles per square foot. Widely spaced scale markings for easy reading. Calculator dial covers all usable shutter speed and lens stop combinations.

\$29.67

WESTON MASTER II CINE EXPOSURE METER

Thin, compact photoelectric exposure meter for cine cameras. Special calculator for all cine exposure problems including different camera speeds, shutter ratios and filter factors. High and low light scales automatically change as baffle is opened and shut. Narrower acceptance angle corresponds with lens angles of cine cameras.

\$29.67

Lined Holster Case for above \$2.20

Lined Eveready Case for above 2.20

Weston Cadet Exposure Meter

Simplified operation and small size are stressed in the design of the Cadet, Weston's lowest priced exposure meter.

Fits vest pocket or purse; standard Weston movement and Photronic cell; measures either reflected or incident light, depending on position of translucent light collector pivoted on the back of the meter. Price, \$21.50.



Deluxe Type PR-1 Meter

Completely new. Vest-pocket size. Remembers the light it sees... pointer lock can't forget! Instant appeal for expert or beginner. Good for movies or stills. New TRIDENT analyzer, synchro-dial and many other advantages for correct exposure, better pictures. the meter with a MEMORY...



\$32.50

Federal tax included

**G-E
DW58
meter**

Measures reflected and incident light. Versatile and easy to operate. Excellent for color work. Can be used for movies or stills. \$21.95, Fed. tax incl.

NORWOOD DIRECTOR EXPOSURE METER



INCIDENT LIGHT EXPOSURE METER

It is possible to take a perfectly exposed picture of a black cat and a white cat, and do it without the use of a slide rule. Just use the 3-dimensional PHOTOSPHERE* of the Norwood Director.

The exclusive and wonderful PHOTOSPHERE actually simulates your subject, measures all the picture-making light that falls on it. Yes, there is **ONE** perfect exposure for a subject that is both black and white. And the Norwood Director will give you this correct exposure every time because it is the only meter with the PHOTOSPHERE... the secret of measuring incident light, whether for black and white or color.

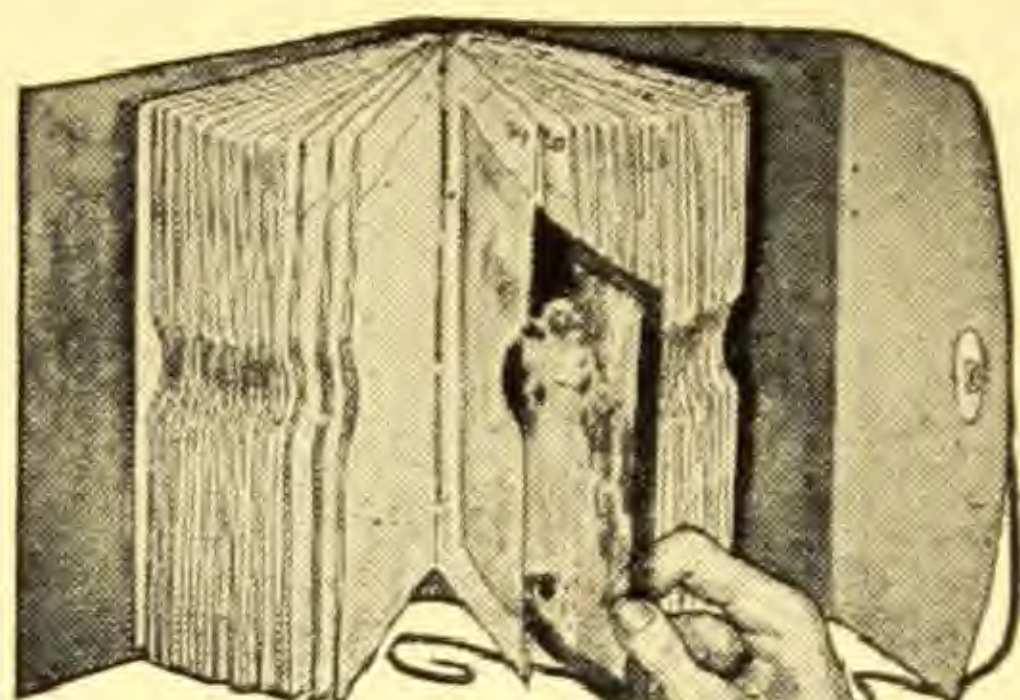
Only **\$32.03**, including tax, complete with case,

DeJUR "Lifetime" Dual

Professional Exposure Meter

• Reads incident or reflected light automatically • One hand operation • Higher scale readings at lower light levels • For black and white or color film... indoors or outdoors • For cine or still cameras • Guaranteed for a lifetime. **\$24.50**

EAGLE FILM FILE "B"



For all sizes of Film up to and including 4 x 5½

Each book contains 50 transparent, numbered individual pockets for ready reference.

Separate index quickly locates any negative.

Cover is made of extra heavy, tough paper with string fastener.

Price 75 cents

If You Use The STAR FILE For Plates and Film

you can instantly locate any negative desired. This file provides a perfect means of storing and indexing negatives. It is a heavy pasteboard box covered in imitation morocco, fitted for 50 glass negatives, or a larger number of films separated by pasteboard frames. An index is in front of each file.



3¼ x 4	for lantern slides	\$.50
3¼ x 4¼		.50
4 x 5½	for 4 x 5 or 3¼ x 5½	1.25
5 x 7		1.35
8 x 10		1.50

FILE YOUR NEGATIVES!



The Nega-File provides a new and inexpensive method for filing negatives for both the amateur and professional. Each File is equipped with 100 glassine envelopes, and Index and Visible Numerical Guides from 10-100 (capacity of each File is 200 envelopes with exception of No. 20 which is 400 and No. 24 which is 600). Each envelope printed for data record of exposure, etc., excepting envelopes for strip negatives. Envelopes permit view of negative without handling. De Luxe models of solid well-seasoned stock and varnished in natural wood finish available at prices listed below.

File No.	Film Nos.	Price	Refill Envs.	per C
No. 35	35 mm., 828 and 127	\$2.70	\$1.05	\$0.80
No. 20	120, 620—2¼ x 3¼ negatives	2.70	.95	.85
No. 24	120, 620—2¼ x 2¼ negatives	2.75	.95	.75
No. 22	620—strips of 3—2¼ sqs. or 4—2¼ x 1¾	3.00	1.30	1.25
No. 16	116, 616, 130, 118, 124, 541, 518, 122	2.85	1.05	.95
No. 22	620—strips of 3—2¼ sqs. or 4—2¼ x 1¾	3.00	1.30	1.05
No. 57	5 x 7 cut film	3.35	1.65	1.35

2" x 2" SLIDE FILES

NEGA-FILE "MIDGET"—accommodates 175 Ready Mounts—Handy, sturdy, compact. Can be carried in coat pocket. Removable partitions	\$1.25
NEGA-FILE "DE LUXE"—accommodates 100 mounted slides or 200 Ready Mounts—Flanged lid for dustproofing—Numbered slots for easy identification of slides—Felt bottom	\$5.45
NEGA-FILE "MASTER"—for 650 Ready Mounts or 250 Glass slides—Felt bottom—Ideal for use with Ready Mount Changer—Permits filing by subjects	\$5.45

SLIDEX METAL SLIDE BOX

... THE ALL-METAL SLIDE FILE—Holds 300 Kodak Ready-mounts or 150 standard 2" x 2" glass slides. Each slide compartment is numbered; an index mounted inside the cover helps you put your finger on any slide ... instantly! Slide slots are constructed to prevent rattling or breakage; the all-steel case has a blue-gray baked wrinkle finish; equipped with carrying handle and two steel fasteners.

PRICE — \$3.35

NEGA-FILES FOR 2 1/4" x 2 1/4" SLIDES

No. 214-S NEGA-FILE is designed for the group filing of approximately 120 of the new size slides.

Manufactured of Walnut Stock, equipped with Catch and Butt Hinges.

PRICE \$2.50 EACH

No. 214—NEGA-FILE 2 1/4" x 2 1/4"

For 100 2 1/4" x 2 1/4" Mounted Slides. Dust-proof Walnut Chest. Numbered slots for easy identification of slides. Complete, with Removable Index.

PRICE — \$7.00

CARRYING CASE FOR 3 1/4" x 4" LANTERN SLIDES

SOLID WALNUT — KILN DRIED STOCK

No. 34— 25 (one lock) capacity of 25	\$5.00
No. 34— 50 (one lock) capacity of 50	8.00
No. 34—100 (two lock) capacity of 100	10.00
No. 34—350 (two lock) capacity of 350	15.00

Roll Film, Film Packs, Cine Films, Etc.

All Prices Include Federal Excise Tax

Roll Film - Kodak & Ansco

Size	Exp.	No.	Eastman Verichrome	Ansco Plenachrome	Eastman Super XX Plus X	Ansco Super- Pan Press Supreme
1-5/8 x 2 1/2	8	127	.32	.32	.38	.38
2 x 3	6	129	.43	---	.49	---
2 1/2 x 3 1/2	8	120	.38	.38	.43	.43
2 1/2 x 3 1/2	8	620	.38	.38	.43	.43
2 1/2 x 4 1/2	8	116	.49	.49	.54	.54
2 1/2 x 4 1/2	8	616	.49	.49	.54	.54
2-7/8 x 4-7/8	6	130	.60	.60	.70	---
3 1/2 x 4 1/2	6	118	.60	.60	.70	---
3 1/2 x 4 1/2	6	124	.60	.60	---	---
3 1/2 x 5 1/2	6	122	.70	.70	.81	---
3 1/2 x 3 1/2	6	101	.54	---	---	---

Miniature Films -- 35 mm

For Argus, Leica, Contax, Kodak 35, Retina, Etc.

Daylight Loading Magazines

EASTMAN

Panatomic X	- 20 exposures	\$.87
Panatomic X	- 36 exposures	1.14
Plus-X	- 20 exposures	.87
Plus-X	- 36 exposures	1.14
Super XX	- 20 exposures	.87
Super XX	- 36 exposures	1.14

ANSCO

Ultra-Speed Pan	- 20 exp.	\$.87
Ultra-Speed Pan	- 36 exp.	1.14
Superpan Supreme	- 36 exp.	1.14
Superpan Supreme	- 20 exp.	.87

828 FILM FOR KODAK BANTAM:

Panatomic X	- 8 exp.	.38
Plus-X	- 8 exp.	.38
Super XX	- 8 exp.	.38

Kodak Highlight Masking Film

<u>Size</u>	<u>One 10 sheet Package</u>	<u>One Case of ten Ten Sheet Pkgs.</u>
2½ x 3½	\$.47	\$ 4.50
3½ x 4½	.61	5.80
4 x 5	.79	7.60
5 x 7	1.22	11.70
8 x 10	2.39	22.90
11 x 14	4.50	43.10

Kodak Pan Masking

<u>Size</u>	<u>One 10 sheet package</u>	<u>One Case of Ten</u>
4 x 5	\$ 1.55	\$ 14.80
5 x 7	2.25	21.50
8 x 10	4.50	43.10
11 x 14	8.44	80.80

16 MM FILMEASTMAN

Super X Pan - 50 ft. mag.	\$ 5.15
Super X Pan - 100 ft. roll	7.00
Super XX Pan - 50 ft. mag.	5.15
Super XX Pan - 100 ft. roll	7.00
Kodachrome - 50 ft. mag.	6.75
Kodachrome - 100 ft. roll	10.20

ANSCO

Hypan - 50 ft. roll	\$4.03
Hypan - 100 ft. roll	6.95
Triple S Pan - 50 ft. roll	4.03
Triple S Pan - 100 ft. roll	6.95
Ansco Color - 50 ft. roll	5.63
Ansco Color - 100 ft. roll	9.85

KIN-O-LUX

When ordering Kodachrome or Ansco Color Film - Specify whether Day-light or Tungsten type is required.

#1 - 100 ft. roll	3.60
#3 - 100 ft. roll	6.00
Gold Seal - 100 ft. roll	6.40

KODAK INFRA-RED

<u>Size</u>	<u>One 25 sheet package</u>
2½ x 3½	\$ 1.69
2½ x 3½	1.83
3½ x 4½	2.39
4 x 5	3.19
5 x 7	5.01
8 x 10	10.69
6½ x 9 cm	1.83
9 x 12 cm	2.77
10 x 15 cm	3.56

KODAK TRANSLITE FILM

<u>Size</u>	<u>One 25 sheet pkg.</u>
3½ x 4½	\$ 1.41
4 x 5	1.88
5 x 7	2.90
8 x 10	6.18
	<u>One 10 sheet pkg.</u>
11 x 14	\$ 4.88
	<u>Rolls</u>

KODAK FINE GRAIN POSITIVE

<u>Size</u>	<u>One 25 sheet pkg.</u>
5 x 7	\$ 2.77
8 x 10	5.86

20" x 30"	\$21.00
30" x 30"	31.19
40" x 30"	41.29

KODAK MATRIX FILM

<u>Size</u>	<u>One 10 sheet package</u>	<u>One Case of Ten ten sheet pkgs.</u>
5 x 7	\$ 1.83	\$ 17.50
8 x 10	3.66	35.00
10 x 12	5.35	51.20
11 x 14	6.80	65.10
14 x 17	10.36	99.20
16 x 20	13.87	132.80

8 MM FILM
EASTMAN

Panchromatic - 25 ft. roll	\$ 2.85
Super X - 25 ft. roll	2.85
Super X - 25 ft. magazine	3.60
Kodachrome - 25 ft. roll	3.75
Kodachrome - 25 ft. magazine	4.50

ANSCO

Hypan - 25 ft. roll	\$2.85
Triple S Pan 25 ft. roll	2.85

KIN-O-LUX

#2 - 25 ft. roll	1.65
#3 - 25 ft. roll	2.40
Gold Seal - 25 ft. roll	2.40

FILM PACKS

Size	No.	Eastman Plus X Super XX	Ansco Super- pan Supreme	Ansco Super- pan Press
2 1/4 x 3 1/4	520	\$ 1.45	\$ 1.45	\$ 1.45
2 1/4 x 4 1/4	516	1.60	----	----
3 1/4 x 4 1/4	518	1.95	1.95	1.95
9 x 12 cm	541	2.05	2.05	2.05
3 1/4 x 5 1/2	522	2.20	----	----
4 x 5	523	2.20	2.20	2.20
5 x 7	515	3.75	3.75	----

35 MM Film

	Plus-X	Super XX	Panatomic-X	Microfile	Positive	High Contrast Positive
*27 1/2 feet	\$ 2.36	-----	-----	-----	-----	-----
50 feet	3.85	3.02	1.65	1.93		
100 feet	6.60	4.95	2.86	3.35		
*27 1/2 ft. rolls notched and numbered.						

KODACOLOR

C 127 - 6 exposures	\$ 1.64	C 116 - 6 exposures	\$ 2.22
C 120 - 6 exposures	1.91	C 616 - 6 exposures	2.22
C 620 - 6 exposures	1.91		

ANSCO COLOR FILM*

120 (B2) 6 exposures	\$ 1.37	35 mm Magazines - 20 exp.	\$2.21
620 (PB20) 6 exposures	1.37	Memo Cartridges - 20 exp.	2.21
*Prices do Not Include Processing.			

EKTACHROME*

E 120 - 6 exposures	\$ 1.37	E 620 - 6 exposures	\$ 1.37
*Price Does Not Include Processing.			

ANSCO PLENACOLOR

120 - 6 exposures	\$ 1.91	620 - 6 exposures	\$ 1.91
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KODACHROME

35 MM Daylight Loading Magazines - Regular or Type A			
20 exposures	\$ 3.45	36 exposures	\$ 5.40
K 828 - Bantam - 8 exp. -	\$1.84		

Eastman, Ansco, Defender Cut film

Sheet Film in Decimal Packages

Super Special Ortho Portrait, Commercial, Commercial
Matte, Commercial Ortho, Commercial Thin Base
Contrast Process Ortho, Super Ortho Press, Ortho - X

<u>25 Sheet Packages per case</u>	<u>Size</u>	<u>One 25 Sheet Package</u>	<u>One Case</u>	<u>Three Cases</u>
15	2 $\frac{1}{2}$ x 3 $\frac{1}{4}$	\$ 1.17	\$ 16.80	\$ 47.59
15	2 $\frac{1}{2}$ x 3 $\frac{1}{2}$	1.32	18.90	53.55
15	3 $\frac{1}{4}$ x 4 $\frac{1}{2}$	1.69	24.30	68.85
15	3 $\frac{1}{4}$ x 5 $\frac{1}{2}$	2.06	29.55	83.70
15	4 x 5	2.25	32.25	91.35
10	5 x 7	3.56	34.10	96.60
6	6 $\frac{1}{2}$ x 8 $\frac{1}{2}$	5.44	31.26	88.56
5	8 x 10	7.59	36.35	102.98
15	6 $\frac{1}{2}$ x 9 cm	1.32	18.90	
15	9 x 12cm	1.97	28.35	
15	10 x 15cm	2.53	36.30	

<u>10 Sheet Packages per case</u>	<u>Size</u>	<u>One 10 Sheet Package</u>	<u>One Case</u>	<u>Three Cases</u>
4	7 x 17	\$ 4.64	\$ 17.76	\$ 50.31
4	10 x 12	4.69	17.96	50.88
4	11 x 14	6.00	22.96	65.04
2	12 x 20	9.23	17.68	50.09
4	14 x 17	9.14	35.00	99.15
2	16 x 20	12.23	23.42	66.35
2	18 x 22	15.04	28.80	81.59
2	20 x 24	18.19	34.82	98.64

Eastman, Ansco, Defender Cut Film

Sheet Film in Decimal Packages

Panatomic-X, Super -XX Panchromatic, Super Panchro Press,
Type B Contrast Process Panchromatic, Portrait
Panchromatic Tri-X Panchromatic, Super Panchro-Press
Sports Type

<u>25 Sheet Packages per case</u>	<u>Size</u>	<u>One 25 Sheet Package</u>	<u>One Case</u>	<u>Three Cases</u>
15	2 $\frac{1}{2}$ x 3 $\frac{1}{4}$	\$ 1.36	\$ 19.50	\$ 55.24
15	2 $\frac{1}{2}$ x 3 $\frac{1}{2}$	1.45	20.85	59.08
15	3 $\frac{1}{4}$ x 4 $\frac{1}{2}$	1.92	27.60	78.19
15	3 $\frac{1}{4}$ x 5 $\frac{1}{2}$	2.34	33.60	95.18
15	4 x 5	2.58	37.05	104.96
10	5 x 7	4.03	38.60	109.35
6	6 $\frac{1}{2}$ x 8 $\frac{1}{2}$	6.14	35.28	99.95
5	8 x 10	8.63	41.30	117.00
15	6 $\frac{1}{2}$ x 9 cm	1.45	20.85	
15	9 x 12cm	2.25	32.25	
15	10 x 15cm	2.86	41.10	

<u>10 Sheet Packages Per case</u>	<u>Size</u>	<u>One 10 Sheet Package</u>	<u>One Case</u>	<u>Three Cases</u>
4	7 x 17	5.30	\$ 20.28	\$ 57.45
4	10 x 12	5.35	20.48	58.02
4	11 x 14	6.80	26.04	73.77
2	12 x 20	10.50	20.10	56.94
4	14 x 17	10.36	39.68	112.41
2	16 x 20	13.87	26.58	75.24
2	18 x 22	17.11	32.76	92.81
2	20 x 24	20.67	39.58	112.13

DUFAYCOLOR FILM

35mm Color Film—12—20—36 exposures

12 exposures	\$1.25 + \$.12 Tax
20 exposures	1.85 + .21 Tax
35 exposures	3.35 + .35 Tax
No. 127 Film	1.25 + .12 Tax
No. 120 Film	1.25 + .12 Tax
No. 620 Film	1.25 + .21 Tax
No. 616 Film	1.95 + .21 Tax
No. 116 Film	1.95 + .21 Tax
6 sheet package 2 1/4 x 3 1/4	2.10 + .21 Tax
6 sheet package 3 1/4 x 4 1/4	2.90 + .28 Tax
6 sheet package 4 x 5	3.95 + .39 Tax
6 sheet package 5 x 7	6.40 + .77 Tax
6 sheet package 8 x 10	14.05 + 1.69 Tax
Price—Processing	\$1.50

Kodalith Ortho Film, Type 1	Kodalith Ortho Matte Film
Kodalith Ortho Film, Type 2	Kodalith Halftone Film
*Kodalith Ortho Thin Base Film Type 1	Dupont Photolith Film
*Kodalith Ortho Thin Base Film Type 2	Kodalith Blue Sensitive Film

Size	Per 50 Sheet Box	Per 25 Sheet Box
5 x 7	\$ 5.28	
8 x 10	11.19	
8 1/2 x 11	13.02	
10 x 12	16.47	
11 x 14	21.01	
12 x 17	27.66	
12 x 18	29.18	
14 x 17	32.16	
16 x 20	42.94	
18 x 22	52.94	
18 x 23	55.37	
20 x 24	64.05	
22 x 28		\$ 41.01
24 x 32		47.85
28 x 36		66.89
30 x 40		79.60

Rolls

20" x 100 ft	\$ 56.75	40" x 100 ft.	\$112.53
22" x 100 ft	62.30	44" x 100 ft.	123.73
30" x 100 ft	84.64	48" x 100 ft.	134.87
36" x 100 ft	101.38		

Kodakline Process Pan Stripping Film

Size	Per 50 Sheet Box	Per 25 Sheet Box
5 x 7	\$ 7.48	
8 x 10	15.92	
8 1/2 x 11	18.53	
10 x 12	23.40	
11 x 14	29.86	
12 x 17	39.32	
12 x 18	41.47	
14 x 17	45.70	
16 x 20	61.05	
18 x 22	75.24	
18 x 23	78.73	
20 x 24	91.07	
22 x 28		\$ 58.31
24 x 32		72.53
28 x 36		95.10
30 x 40		113.13

Rolls

20" x 100' ----	\$ 79.69	40" x 100' ---	\$158.40
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Kodakline Commercial Screen Film

Size	Per 25 Sheet Box	Per 10 Sheet Box
8 x 10	\$ 10.46	\$ 6.47
10 x 12		8.26
11 x 14		10.83
12 x 17		11.47
12 x 18		12.57
14 x 17		16.64
16 x 20		20.78
18 x 22		22.06
18 x 23		25.10
20 x 24		32.16
22 x 28		40.05
24 x 32		

Kodalith Transparent Stripping Film

Dupont Photolith Stripping Film

<u>Size</u>	<u>Per 50 Sheet Box</u>	<u>Per 25 Sheet Box</u>
5 x 7	\$ 6.84	\$
8 x 10	14.59	
8½ x 11	16.93	
10 x 12	21.43	
11 x 14	27.35	
12 x 17	35.96	
12 x 18	37.94	
14 x 17	41.84	
16 x 20	55.88	
18 x 22	68.86	
18 x 23	72.02	
20 x 24	83.36	
22 x 28		\$ 53.35
24 x 32		66.38
28 x 36		87.07
30 x 40		103.54

Rolls

6" x 100' -----	\$ 21.56	14" x 100' -----	\$49.09
8" x 100' -----	28.44	18" x 100' -----	62.85
9½" x 100' -----	33.62	19" x 100' -----	66.29
13" x 100' -----	45.65		

Kodakline Process Pan Film

<u>Size</u>	<u>Per 50 Sheet Box</u>	<u>Per 25 Sheet Box</u>
5 x 7	\$ 5.87	
8 x 10	12.52	
8½ x 11	14.59	
10 x 12	18.44	
11 x 14	23.53	
12 x 17	30.97	
12 x 18	32.66	
14 x 17	36.02	
16 x 20	48.12	
18 x 22	59.31	
18 x 23	62.02	
20 x 24	71.74	
22 x 28		\$ 45.97
24 x 32		57.17
28 x 36		74.96
30 x 40		89.18

Rolls

20" x 100' -----	\$ 64.36	40" x 100' ---	\$127.86
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Kodakline Ortho Stripping FilmRolls

6" x 50' -----	\$ 6.84	19" x 50' -----	\$ 20.51
9½" x 50' -----	10.51	6" x 150' ---	19.45
13" x 50' -----	14.18	9½" x 150' ---	30.46
19" x 150' ---	60.42	13" x 150' ---	41.52

ANSCO COLOR FILM!

Price Incl. Fed. Exc. Tax Factory Processing
in lot of 6 sheets

2 1/4 x 3 1/4	per 6 sheets	\$2.31	\$1.25
3 1/4 x 4 1/4	per 6 sheets	3.18	1.50
4 x 5	per 6 sheets	4.44	1.75
5 x 7	per 6 sheets	7.02	2.50
8 x 10	per 6 sheets	15.42	3.75

When ordering—specify whether daylight or artificial light type is required.

Color Film Developing Outfits

1/4 gallon	\$2.44
1/2 gallon	3.12
1 gallon	4.80
3 1/2 gallon	12.00

AnSCO Color Film Developing Outfit consists of: First Developer, Color Developer, Short Stop, Bleach Hardener and Clearing. Both No other chemicals or solutions are necessary other than the above for processing AnSCO Color Film.

ANSCO COLOR ROLL AND MAGAZINE REVERSIBLE FILM

Price Incl. Exc. Tax

B2(120) 8 exp. Daylight Type	\$1.37
B2(120) 8 exp. Tungsten Type	1.37
PB20(620) 8 exp. Daylight Type	1.37
PB20(620) 8 exp. Tungsten Type	1.37
35 mm. Magazine, 20 exp. Daylight Type	2.21
35 mm. Magazine, 20 exp. Tungsten Type	2.21
Memo Cartridge, Daylight Type	2.21
Memo Cartridge, Tungsten Type	2.21
Processing Charge	\$1.00 per roll

ANSCO COLOR REVERSIBLE PRINTON

(for making color prints from AnSCO Color Film)

Price Incl. Exc. Tax

4 x 5 per dozen	\$2.45
5 x 7 per dozen	4.41
8 x 10 per dozen	9.30
11 x 14 per dozen	17.13
16 x 20 per dozen	33.78

COLOR REVERSIBLE PRINTON DEVELOPING OUTFITS

1 gallon size	\$5.88
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FILM PACK ADAPTERS

Converts a plate camera into a Film Camera. Loads with Film Packs, and is used just like a plate holder. Kodak adapters will fit all cameras using standard holders.

Size	Graflex	Kodak	Graphic
2 1/4 x 3 1/4	6.99	6.93	6.99
3 1/4 x 4 1/4	7.91		7.91
4 x 5	8.82		8.82
5 x 7	11.67	9.67	

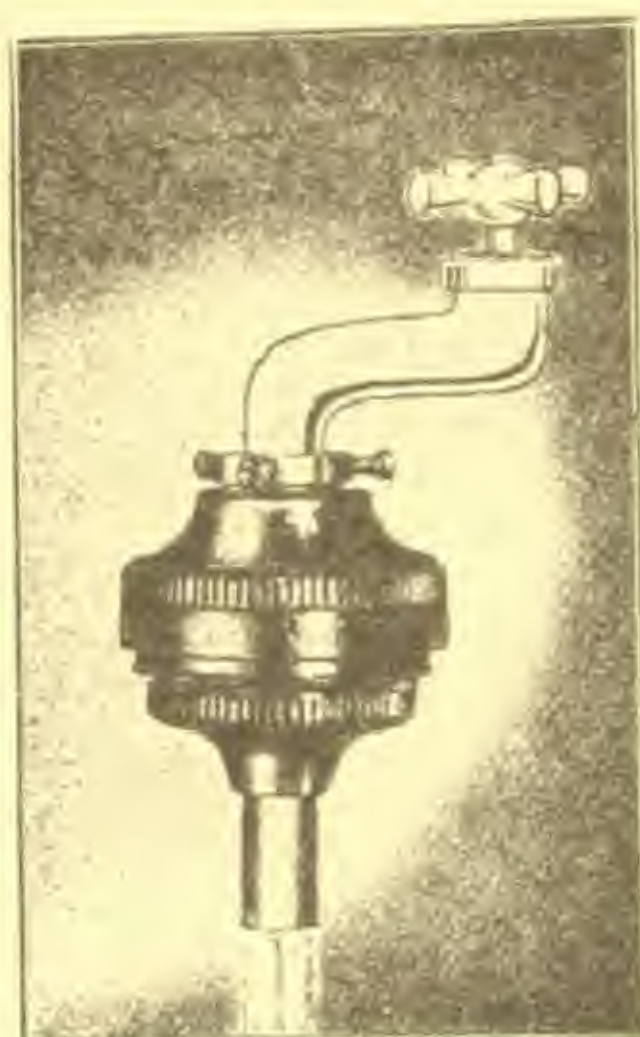


KODAK FILM SHEATHS



$2\frac{1}{4} \times 3\frac{1}{4}$ or $2\frac{1}{2} \times 3\frac{1}{2}$	\$.24
$3\frac{1}{4} \times 4\frac{1}{4}$, $3\frac{1}{4} \times 5\frac{1}{2}$ or 4×5	.29
9×12 cm. or 10×15 cm.	.29
5×7	.34
$6\frac{1}{2} \times 8\frac{1}{2}$	.44
8×10	.58

FOTO-PURE WATER FILTER



Takes out all water impurities and protects prize negatives and prints from rust and dirt spots, airbells, ugly marks and harmful streaks!

The five screens and patented CELLULO discs remove the undesirable matter that wreaks havoc and causes dismay when you light up your dark-room or open your tank after doing a good job of processing. No need to use distilled water in all but the most extreme cases of chemical solutes carried by the water. For heavy duty, two, or even three discs are easily placed in the filter. You are assured that all impurities prevalent in tap water which spoil many home-mixed developing and hardening solutions will be taken out.

\$3.50 complete
(CELLULO Refills, 75c. dozen)

FULFLO WATER FILTERS

The Full Flow Filters illustrated herewith provide a large deep filtering area that is rapid in operation and highly efficient. The filtering element consists of a tubular cone of bleached yarn $2\frac{1}{2}$ in. in diameter. This yarn is wound on a wire mesh core so as to form a honey-comb of deep tapered tunnels. Liquids are forced through the outside to the inside of these tubes which remove and retain the finest sediment and still allow a full flow of water. These are supplied in the following types:



Model	Diameter	Height	Net Weight	Inlet and Outlet Connections	Size Tube	No. of Tube	Price
ABR4	$4\frac{3}{8}$ in.	5 in.	$2\frac{3}{4}$ lbs.	$\frac{3}{8}$ in.	4 in.	1	\$17.00
ABR8	$4\frac{3}{8}$ in.	9 in.	$3\frac{3}{4}$ lbs.	$\frac{3}{8}$ in.	8 in.	1	21.25
WY3BR	$7\frac{1}{2}$ in.	$17\frac{1}{2}$ in.	38 lbs.	$1\frac{1}{2}$ in.	10 in.	3	155.00
Model	Filter Tubes				per doz.		
ABR4					\$11.50		
ABR8					17.00		
WY3BR10					19.75		

FILTRINE WASHING CONTROL

The Modern Answer to Many Reproduction Problems



By eliminating from "pure" water all abrasive particles and sediment, Filtrine Washing Control ends an old and costly cause of re-touch time-work in photographic and mechanical reproductions processes and serves in many ways to cut costs and create extra snap and sparkle in the finished work. More than 50% of all scratching and spotting of negatives and plates has been traced by leading Graphic Arts Research Laboratories to rust, grit, and other microscopic particles in ordinary water. Most methods found effective in reducing this percentage also chafe essential water volume. Filtering Washing Control now completely eliminates water scratching and spotting, maintains full volume even at low pressure and effects full savings right along the line.

There is no need to excess sponging and swabbing of negatives and plates when Filtrine Washing Control safeguards against deposits of all kinds. Glass comes organically clean in less time and is properly conditioned for easier, safer sensitizing. Coatings go on smoothly, evenly, and adhere with uniform firmness to produce clean, sharp images without pinholes or weak areas. Chemicals are more stable in solution and have longer working life.

Filtrine Washing Control sharply reduces retouching and helps create sparkling definition in black and color reproduction and photographic negatives and prints.

Filtrine Washing Control operates with sustained effectiveness, year after year, and pays for itself within a few weeks.

STYLE No. 4

Heavy, all brass laquered. Machined and fitted to precision standards.

GPM given 25 lbs pressure.

GMP	Inlet	Outlet	Dimen.	Weight	Price
2	1/2	3/8	5 x 8	8 lbs	\$33.25

STYLE No. 4 DUPLEX

Heavy, all brass, laquered. Machined and fitted to precision standards.

GPM given at 25 lbs. pressure.

GMP	Inlet	Outlet	Dimen.	Weight	Price
4	1/2	1/2	8 x 11 x 12	30 lbs.	\$77.65

The price includes one dozen Filtrine sheets for each filter.

Extra Filtrine sheets for #4 style filters—\$5.10 per dozen.

KODAK WRATTEN LIGHT FILTERS

Supplied as squares in gelatin film, and circles or squares cemented in "B" glass. "A" glass filters on special order only. The following is a representative list:

K1 (No. 6) light yellow	F (No. 29) deep red
K2 (No. 8) medium yellow	A (No. 25) tricolor red
K3 (No. 9) deep yellow	B (No. 58) tricolor green
X1 (No. 11) pale green	N (No. 61) tricolor green
X2 (No. 13) medium green	C4 (No. 49) tricolor blue
G (No. 15) strong orange-yellow	C5 (No. 47) tricolor blue

ADAPTER RINGS Available in sizes to fit lens mounts

19mm through 26.5 mm \$1.25	42.5mm through 50.5mm 2.25
31.5mm through 38mm 1.50	52mm through 67mm 3.75

Kodak Wratten Filters in Combination Lens Attachments

Kodak Wratten Filter in "B" Glass—K2, A, X1, G, Kodak Skylight, and Kodachrome Type A for Daylight.

Series IV \$1.60	Series VII \$3.10
Series V 1.70	Series VIII 4.00
Series VI 2.00	Series IX 7.90

Color Compensating Filters, Kodak

Series V \$2.25	Series VII \$3.50
Series VI 2.80	Series VIII 4.65

Kodak Lens Hood

Series IV \$1.60	Series VII \$3.25
Series V 1.75	Series VIII 4.00
Series VI 2.00	

Kodak Wratten Filters

In.	Mm	Gelatin Film Squares	Cemented in "B" Glass Circled or Squares	Cemented in "A" Glass Circled or Squares
2	50.5	\$.45	\$ 3.10	\$13.00
3	76	.70	5.10	18.00
4	101.5	1.05	7.90	25.00
5	127	1.50	11.50	34.00

Kodak Wratten Tricolor Filters

Set of three: A, B, and C5; or F, N, and C4.

Set of four: A, B, C5, and K2.

Squares	Gelatin Film		Cemented in "B" Glass	
	Set of three	Set of four	Set of three In Case	Set of four in Case
2-inch	\$1.30	\$1.75	\$15.95	\$18.90
3-inch	2.00	2.70	21.65	26.50
4-inch	3.00	4.00	29.00	37.10
			Cemented in "A" Glass	
			Set of three in Case	Set of four in Case
2-inch			\$44.15	\$56.50
3-inch			58.40	75.50
4-inch			78.35	102.10

Kodak Wratten Experimental Film Filter Book

30 filters	\$12.40
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Kodak Adjustable Filter Holder

3-inch square for lens mounts $1\frac{11}{16}$ to $2\frac{3}{8}$	3.00
4-inch square for lens mounts $2\frac{3}{8}$ to $3\frac{7}{8}$	5.00

Kodak Gelatin Filter Frame

2-inch square	.90
3-inch square	.90

THE ROYAL FOREGROUND RAY FILTERS, STYLE A AND B
(Patented)



STYLE A.

The Royal Foreground Ray Screen is so constructed that the color, which is a strong orange yellow at the top, is gradually diminished until perfect transparency is attained at the bottom. The practical effect of the gradual blending of color is to sift out or absorb the powerful chemical rays from the clouds and sky, which pass through the strongly colored top of the filter, without perceptibly decreasing the weak illumination of the reflected light from the foreground, which comes through the transparent or colorless lower part of the screen in full intensity.

The Royal Foreground Ray Screen is also very useful for subjects which are more strongly illuminated on one side than on the other, as in photographing by the light of a side window or in a narrow street. By simply turning the dark side of the foreground screen toward the bright side of the object a good, even exposure will result.

STYLE A slips over the front of the lens the same as a lens cap, and may be instantly attached or removed.

0A	7/8	9A	2 3/4
1A	1 5/16	10A	3
5A	1 3/4	12A	3 1/2
8A	2 1/2	13A	4
		14A	4 1/2

1B—1 1/4" diameter—Adjustable Glass Filter

10B—3" diameter—Adjustable Glass Filter

CLOSING OUT AT \$1.00 EACH

UTILO FILTER DISCS



Made from the finest optical glass, colored in the mass, plane-parallel ground and polished on both sides.

These solid glass filters are homogeneous units, impervious to all climatic and thermatic conditions. Their color is imperishable, unfading and unaffected by heat, cold or humidity.

Utilo filters are optically perfect and may be used with confidence for delicate and critical work.

Supplied in Light Yellow, Medium Yellow, Orange, Red, Green and Studio Blue. (Specify color desired.)

Thickness of filter disc approximately 1/16 in.

Diameter	Price	Diameter	Price
16 mm.	\$0.85	31.5 mm.	\$1.25
19 mm. ....	.85	32 mm.	1.25
20 mm. ....	.85	33 mm.	1.30
22 mm. ....	.90	35 mm.	1.35
24 mm. ....	.95	37 mm.	1.35
25 mm.	1.00	38 mm.	1.40
27 mm.	1.05	39 mm.	1.45
28 mm.	1.10	40 mm.	1.45
29 mm.	1.15	42 mm.	1.50
30 mm.	1.20	51 mm.	1.75

UTILO MOUNTED FILTERS

Mounted filters are much better protected against finger marks and scratches than unmounted filter disc. Six springy adjustable fingers grip firmly, yet permit instant removal. Discs are of optical glass, mount finished in durable black lustre. A sole leather case is furnished with each filter to protect it and keep it clean.

Supplied in Light Yellow, Medium Yellow, Orange, Red, Green and Studio Blue. (Specify color desired.)

Diameter	Price	Diameter	Price
16 mm.	\$1.15	29 mm.	\$1.45
20 mm.	1.15	30 mm.	1.50
22 mm.	1.20	32 mm.	1.60
24 mm.	1.25	33 mm.	1.65
25 mm.	1.30	37 mm.	1.80
27 mm.	1.35	38 mm.	1.85
28 mm.	1.40	39 mm.	1.90
		42 mm.	2.00
		51 mm.	2.50



EAGLE AND ROYAL RAY FILTERS

The Eagle Ray Filter is a medium rapid screen, requiring three times normal exposure.

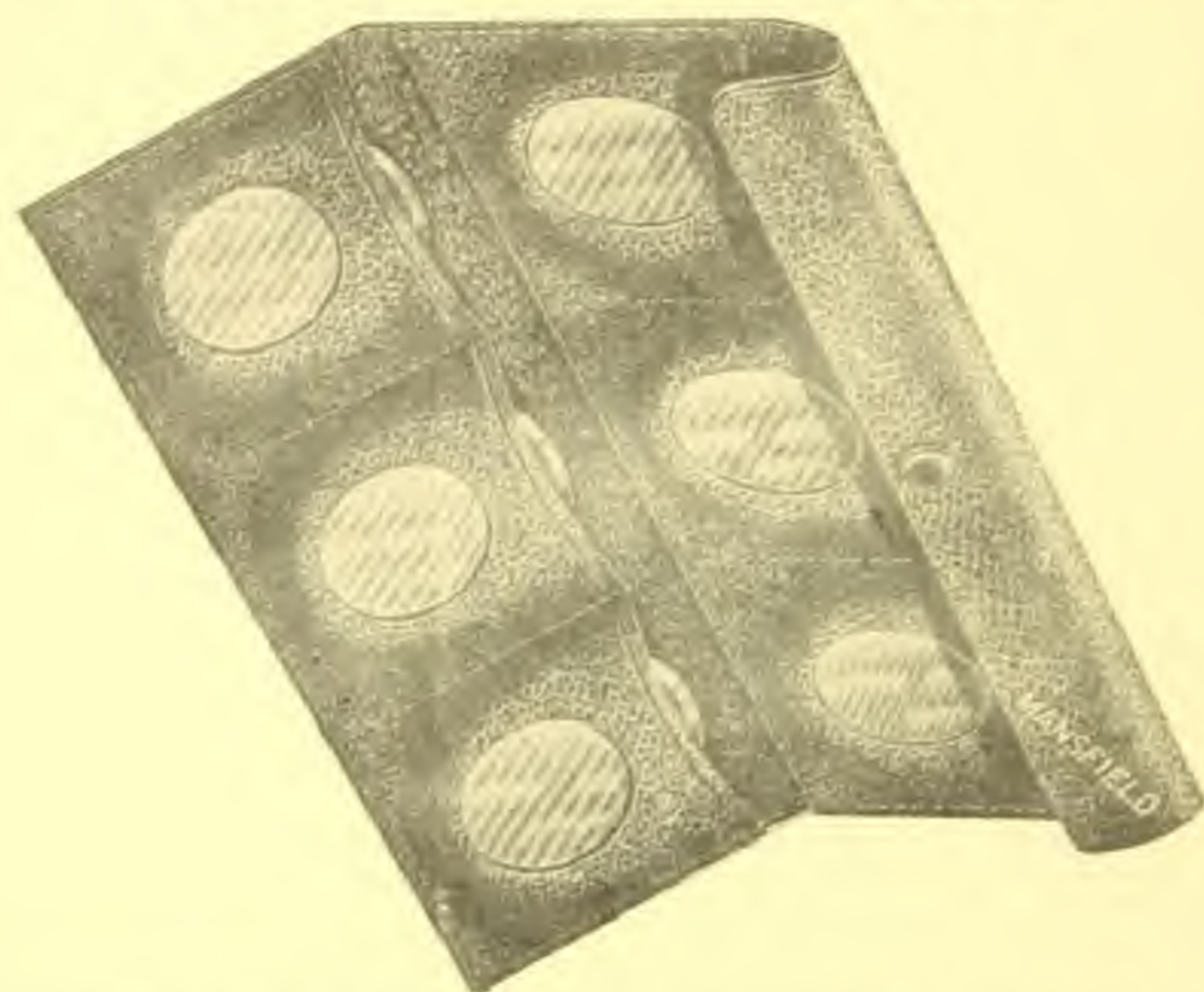
The Royal Ray Filter requires eight times increase of exposure,



Eagle	Royal EA	Eagle	Royal
No. Dia. In.	No. Dia. In.	No. Dia. In.	No. Dia. In.
00 1 1/8	0 7/8	8 2 1/2	6 2"
0 7/8	1 1 5/8	14 4 1/2	
1 1 5/16	3 7 7/16		
3 7 7/16	4 1 1/2		
4 1 1/2	5 1 3/4		
5 1 3/4			

CLOSING OUT AT \$1.00 EACH

RAYDEX FILTER KIT



There, without a doubt, is the greatest filter and filter value in America today. RAYDEX Optical Glass Filters, Sunshade and Filter Holders, Color and Combination Filter Kits, made quality at sensationally low prices.

Precision made of finest optical glass and polished to provide a true filter for the color indicated without loss of clarity.

Sunshade and Filter Holders made especially for use in combination with RAYDEX Filters, employ newest design principles, scientifically calibrated to guarantee full pictures, without danger of cutting off the image and with a maximum reduction of unwanted reflection.

Leather wallet supplied with filters keep filters safe and orderly for easy use and identification.

Instruction book furnished with filters is easy to understand even for the beginner and provides a source of ready, handy reference for proper filter use.

AVAILABLE FOR THE FOLLOWING CAMERAS:

Movie Cameras: All Models Revere — All Models Keystone — All Models Bell & Howell — Brisqin — Franklin — Perfex — Cinklox — Victor — Kodak 20 and 25 — Kodak 60 and 90 — Cinemaster.

35 mm Cameras: Argus C, C2, C3 — Argus A, and A2 — Perfex All Models — Clarus — Leica — Spartus 35 — Kodak 35 — Kardon 1 — Kine Exacta — Mercury II — Bucanneer — Cee-ay.

Note: Please specify camera model as well as name and lens when ordering.

PRICE \$5.35

CHESS-UNITED FILTER KIT

Each Chess-United Accessory Kit Contains

- Precision Sunshade Filter Holder
- Optical Glass Light Yellow Filter
- Optical Glass Light Green Filter
- Genuine Leather Carrying Case
- Easy-to-use Instruction Folder

Made for almost every popular priced camera

Beacon I & II
Fed-Flash
Brownie Reflex
Rediflex
Spartus Full-Vue

Duoflex
Vigilant Jr.
Kodak Tourist "Kodet"
Argoflex "75"
Ansco Flash Clipper

Pioneer "16"
Pioneer "20"
Brownie Flash
Foldex "20"
Cruiser f6.3

\$4.95

IDEAL RANGE FINDER



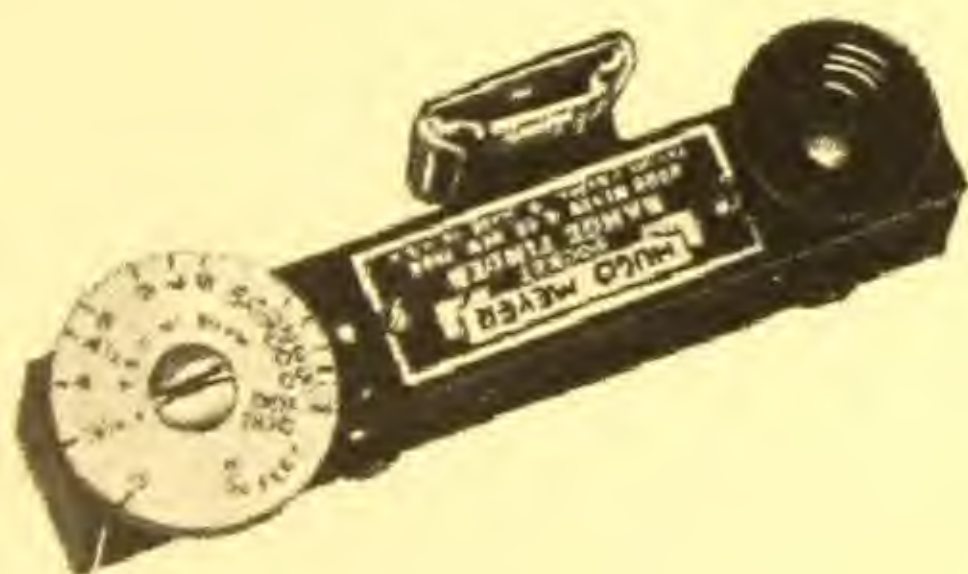
Precision-built for all movie and still cameras . . .

Precision all-metal mechanism — Beautiful plastic housing — Micro-meter-type focussing dial — Large, easy-to-read dial figures — Very easy to use. Direct-reading.

With the IDEAL Range-finder, the focus is ALWAYS JUST RIGHT. There is no guesswork, no figuring. And now a miracle of instrument production makes the IDEAL Range-finder available at a price everyone can afford.

\$2.95

HUGO MEYER RANGE FINDER



Kodak Service Range Finder

A split-field military-type finder that determines range accurately as close as 2 feet. **\$14.58.**

Can be used indoors or outdoors with any camera — still or motion picture — that has a distance scale of any kind. Can be held in hand, mounted on the camera or slid into accessory shoe. Contains the Hugo Meyer two-color principle of providing two strongly contrasting images in a square field.

\$10.50

HEIGHT ADAPTER (Lift Clips)

Designed for use on cameras which have surface obstructions that prevent the use of the Hugo Meyer Pocket Range Finder directly on the top of the camera.

List \$.50

- TYPE "A" Kodak Flash Bantam
- TYPE "B" Regular Argus
- TYPE "C" Argus Mark 21
- TYPE "D" Tourist



MARVEL PORTRAIT CAMERA FINDER

No More Spoiled Negatives
By Subject Moving Out of Picture



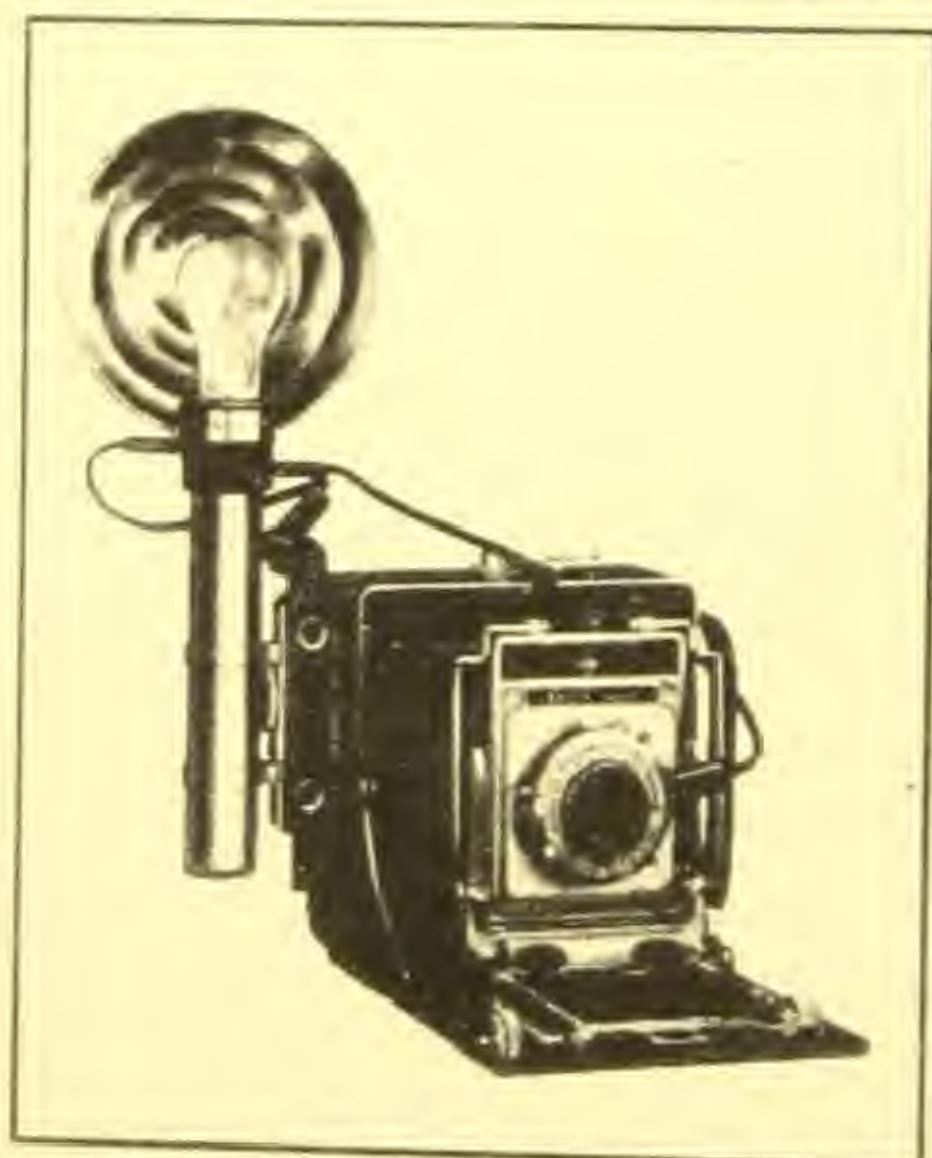
With this Finder on your camera you never have to wonder if the subject has moved while you were drawing the slide and is still in the picture or not — because the image in the Finder is before you all the time. If the subject has moved, you look in the Finder and you simply move the camera the necessary amount to correct. You can do this in ONE SECOND . . . it is not necessary to remove the holder and look through the camera back. A favorable feature in case of children.

It is easy to attach the finder to your camera, the lens and image size is such they will work with all flash focus studio camera lenses.

A beautiful black anodized aluminum finder with chromium base — will harmonize with finest studio surroundings.

PRICE \$18.00 plus \$3.00 tax

KALART SYNCHRONIZED RANGE FINDER



For 3 1/4 x 4 1/4 and 4x5 Pacemaker Crown and Speed Graphics. (Specify size and model)
For 3 1/4 x 4 1/4 and 4x5 Anniversary and Old Style Speed Graphics, (Specify size and model of camera)

For 2 1/4 x 3 1/4 B & J Press Camera

For 4 x 5 B & J Press Camera

38.50

For 2 1/4 x 3 1/4 Bush Pressman Model C.

For 4 x 5 Busch Pressman Camera

For 2 1/4 x 3 1/4 Watson Camera

For 2 1/4 x 3 1/4 Printex Camera

For 4 x 5 Printex Camera

For 4 x 5 Meridian

For 5 x 7 Speed Graphic, Zeiss Juwel, Universal Palmos, Linhoff and Deardorff

44.25

Synchronized Prism Range Finder, less

36.25

Charge for installing couplings

EAGLE RUBBER FINGER TIPS

Made Especially for Photographic Use

The best ever offered to prevent discoloration of nails and fingers from acids and chemicals. They will not impair the sense of touch. Very easily applied or removed. Have reinforced ends.

Set of 3 tips \$0.20



Eagle Rubber Finger Tips

CUSTOM PHOTO FINISHING

Naturally—you want your pictures to be good, sparkling permanent. You want to be proud of them, not just for a few days, but for a long time to come. In our modern finishing laboratory painstaking methods and craftsmen with many years of fine finishing experience combine to give you the finest results obtainable from your films.

Developing

Through time-tested methods and formulas used in our developing procedure, properly exposed negatives will yield rich prints and excellent enlargements.

We suggest that users of miniature cameras (2 $\frac{1}{4}$ x 2 $\frac{1}{4}$ " or smaller size) specify our special "Fine Grain Developing" in all cases where extreme enlargements are desired.

ROLL FILMS—

All sizes except 5 x 7" per roll	.15
5 x 7" per roll	.20

(Developing Only—5c per roll additional)

FILM PACKS—

2 $\frac{1}{4}$ x 3 $\frac{1}{4}$ —2 $\frac{1}{2}$ x 4 $\frac{1}{4}$	
3 $\frac{1}{4}$ x 4 $\frac{1}{4}$ and 9 x 12 cm.	\$.35
Other sizes	.50
(Individual films removed from film packs will be developed at the regular sheet film rate.)	

SHEET FILMS AND PLATES—

All sizes up to 4 x 5" per neg.	\$.05
5 x 7" per neg.	.10
8 x 10" per neg.	.25

Contact Prints

The following prices apply to prints, in standard weight, glossy finish.

STANDARD SIZES	per print
up to V.P. size	(127) \$.05
2 $\frac{1}{4}$ x 2 $\frac{1}{4}$ "	(127) .05
2 $\frac{1}{4}$ x 3 $\frac{1}{4}$ "	(120/620) .05
1 $\frac{1}{2}$ x 4 $\frac{1}{4}$ "	(116/616) .06
2 $\frac{7}{8}$ x 4 $\frac{7}{8}$ "	(130) .07
3 $\frac{1}{4}$ x 4 $\frac{1}{4}$ "	(188/124) .07
9 x 12 cm.	.08
3 $\frac{1}{4}$ x 5 $\frac{1}{2}$ "	(122/125) .08

Prints on double weight paper and glossy Jumbo print—1c additional.

PROFESSIONAL SIZES	Narrow Border	glossy velvet
4 x 5"	.08	.09
4 x 6"	.09	.10
5 x 7"	.15	.20
8 x 10"	.25	.30

Fine Grain Service

ROLL FILMS—

35mm. film up to 6ft. in length,	
per roll	.35

Other roll film up to 3 $\frac{1}{4}$ x 5 $\frac{1}{2}$ ",	
per roll	.35

FILM PACKS—

All sizes up to 2 $\frac{1}{4}$ x 3 $\frac{1}{4}$ " per pack	.50
Size 3 $\frac{1}{4}$ x 4 $\frac{1}{4}$ —9x12cm.	.60
3 $\frac{1}{4}$ x 5 $\frac{1}{2}$ —4x 5	.60

Proof Prints from Miniature Negatives

These prints are recommended as a means of judging the subject matter of miniature negatives for enlarging, or for filing purposes. Prints made on standard weight, glossy finish only.

35mm. RECORD STRIPS—

consecutive frames	per frame	\$.02
selected frames	per frame	.03

Miniature Enlargements

	Panel Art or
	Approximate Narrow Border
Negative	Enlargement
Size	Size
35mm-Bantam	
1 $\frac{1}{2}$ VP-1 $\frac{1}{2}$ 120/620 3x4 $\frac{1}{2}$	.10
VP - 127 - 120	
all square	
sizes up to 3 $\frac{1}{4}$ x 3 $\frac{1}{4}$	.10
2 $\frac{1}{4}$ x 2 $\frac{1}{4}$ "	

Prices listed apply to enlargements made from un-cut rolls of film. For enlargements from individual (cut) negatives, add 5c per enlargement.

* * *

All Miniature Enlargements are made from the full negative; if special cropping is desired, the price will be 15c each for any of the aforementioned sizes.

Unmounted Enlargements

3 $\frac{1}{4}$ x 5 $\frac{1}{2}$	\$.20 each
4 x 6	.25 each
5 x 7	.35 each
6 x 8	.45 each
8 x 10	.60 each
11 x 14	1.00 each



KODAK CONCENTRATED ACID FIXING POWDER

1	Quart Size Can	.....	\$0.16
1/2	Gallon Size Can	.....	.24
1	Gallon Size Can	.....	.40

KODALITH ACID FIXING POWDER

In package form, in cans sufficient to prepare 1 gallon and 5 gallon quantities.

1	gallon	.....	\$0.50
5	gallon	.....	1.91

HYPO-KILLER

Hypo Eliminator for professional, amateur and photo finishing plants. The great time and water saver. With a 4 oz. bottle of Hypo-Killer thousands of negatives and prints may be completely washed in 5 minutes without any after effects.

6	oz. bottle	.....	\$0.60
16	oz. bottle	.....	1.35

HYPO—PEA CRYSTAL
IN STOCK

1	lb. packages	.....	\$ .15
5	lb. packages	.....	.50
20—5	lb. packages (100 lbs.)	.....	6.00
1—100	lb. keg	.....	6.25
5—100	lb. kegs	..... each	5.50
1—100	lb. bag	..... each	5.00
5—100	lb. bags	..... each	4.25

CHEMI FIX—Acid Hardener Fixer for all films and papers. Long life stability. For rapid fixation, use 1-1; greater dilution for economy. \$.75

HYP-A-MIN

Why soak in water for an hour or more when a short dunk in HYP-A-MIN solution can whisk away hypo in minutes?

While ordinary washing takes a full hour, washing time with HYP-A-MIN takes only 5 minutes.

Contains no toxic acids, will not stain, injure the skin or your prints. No sludge, residue, unpleasant after effects.

Individually sealed in colored cellophane to prevent light deterioration. All you do is tear one tablet off its cellophane sheet, dissolve it in 16 oz. of water, and presto! ... enough solution to treat six 8 x 10 prints or the equivalent. A complete package makes sufficient solution for treating 700 5 x 7 prints.

Per box of 48 Tablets \$1.00

HYP A TEST

FIXING BATH EXHAUSTION TEST



Don't be troubled with fading prints from improper fixing. Be positive that your fixing bath is strong and active with this quick and economical test. Allow one or two drops of Hyp A Test to fall into the fixing bath (which will not harm it in the least). If it stays clear the bath is active, but if a cloudy precipitation forms it is exhausted and should be discarded.

HYP A TEST (sufficient for 200 tests) 35c.



A NEW DISCOVERY

NH 5
HYPO

Prepared in 60 seconds
Fixes in 90 seconds
Washed in 10 minutes
Dries in $\frac{1}{3}$ to $\frac{1}{2}$ the
time of ordinary Hypo.

NH5 Hypo Concentrate is a highly concentrated liquid. Its preparation is merely a matter of adding water. No time is lost in mixing, measuring or dissolving chemicals. No more wasted time stirring. In cold weather no heating is necessary to get the last crystal into solution. NH5 is always ready for use.

The hardener is separate in case you like to tone your prints or retouch right on the negative. Moreover, it will harden better in three minutes than ordinary hypos can in twenty.

It has the fastest fixing action known today yet no harm can ever come to film or print from this high speed. Thin base ortho film can be cleared in ten seconds—that's a permanent fix in twenty seconds! It takes only seventy seconds to fix double-emulsion X-Ray film—and all other film or prints will be permanently fixed between these limits.

NH5 Hypo Concentrate is hyper-soluble in water—that means an amazing reduction in washing time for photographic materials. When using Nh5, you no longer need waste valuable time waiting for prints to wash, ten minutes in running water is ample, even for double-weight paper.

8 oz. size which will process the same amount of material as 1 gallon of ordinary Hypo \$0.50
4 one gallon units in case \$16.00
Less 20% discount on gallon and drum containers to professionals and photo finishers.

1 gallon unit equivalent in fixing power to 16 gallons of ordinary Hypo (over the counter package) \$4.50
9 gallon stainless steel drum .. \$3.50 per gallon (drum deposit \$15.00)

The Darkroom Informer—
THE BIG FOUR

The Hypo Test Indicator.—This testing unit is accurate for any fixer as well as for NH5 Hypo Concentrate.

The Short Stop Indicator.—This test unit will tell when the acid is unsafe.

The Print Wash Indicator.—An essential test which will tell when all types of prints have been safely washed clear of hypo.

The Film Wash Indicator.—A test especially designed for film emulsions which differ substantially from print emulsions. Both wash tests read residual thiosulfate ion content to 1 part in 10,000 parts concentration.

PER UNIT — \$1.25

Each testing unit contains 45 cc. of working solution, a calibrated dropper with bulb and two calibrated test tubes.



Eagle Rubber Focusing Cloth

Made in a fine quality of serge, coated on one side with rubber. Extra quality.
 Per yard, 36 x 36 \$1.10
 36 x 54 1.65

Kodak Professional Focusing Cloth

Made of bound silk finish fabric 40" x 48" \$2.08



NO-BLOW FOCUSING CLOTH

This is a fine quality of serge coated with rubber. It is the proper shape to fit over the camera and is fitted with a rubber band which slips over the lens, holding the focusing cloth in position. Ideal for focusing and studio work.

Price \$1.75

MICRO FOCUSING FILM



The Micro Focusing Film is an indispensable aid in enlarging. It consists of a strip of 35 mm. film with a Leica size negative in the center, composed of fine dots and geometrical designs.

Focus carefully with the Micro Film and then place your own negative in the holder and proceed as usual.

Price, 35 mm. \$0.50

2 1/4 x 3 1/4 in.75

9 x 12 cm.95

See-Sharp Focusing Device

Better Focusing in Less Time

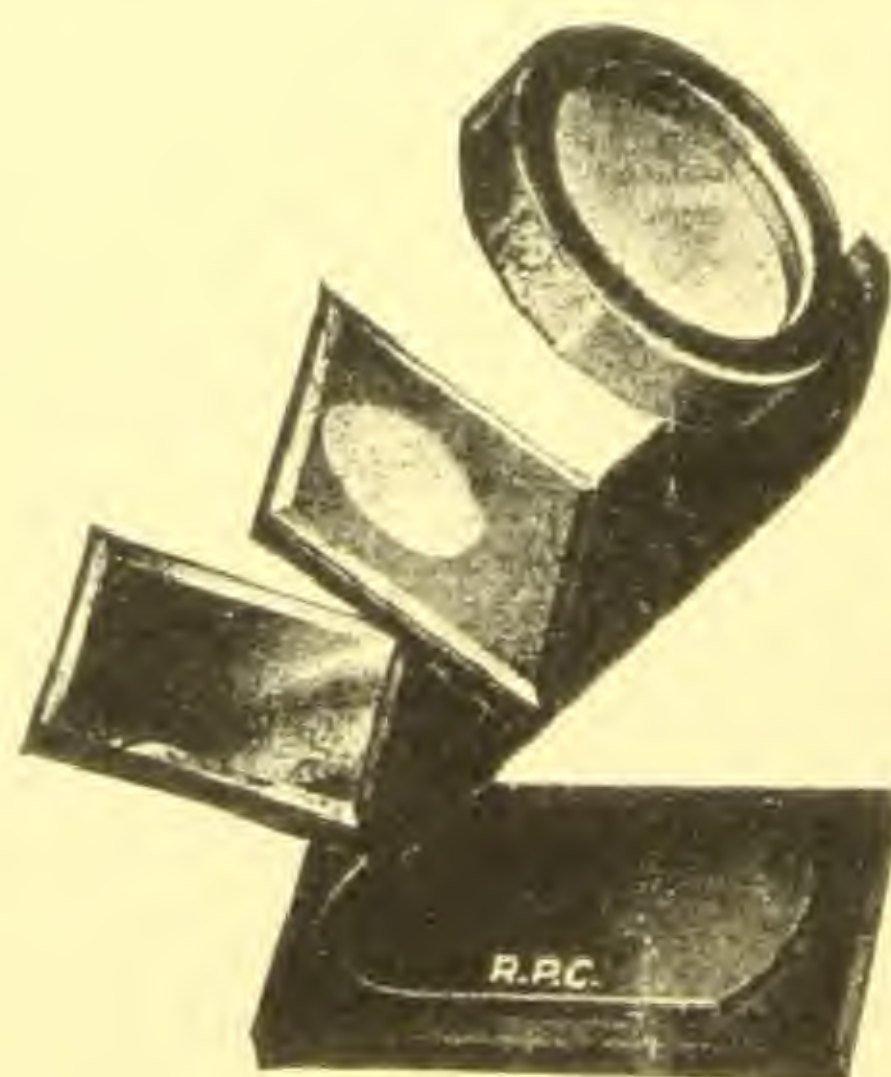
For use with any vertical enlarger.

Makes the projected image appear much brighter and magnifies it. You view it from an easy working distance of about 24 inches . . . no bending over . . . no squinting . . . and you have both hands free for adjusting the enlarger.

Place the SEE-SHARP directly on paper in enlarger easel . . . place safety filter over enlarger . . . turn on light. The brighter, magnified image seen in the SEE-SHARP solves the focusing problem.

Complete, metal stand, monel base, ground glass, mirror and magnifier. Overall Height 2 1/2". Weighs less than 3 oz.

PRICE — \$3.20



STUDIO FURNITURE



Number: C 9002

Name: STAIRWAY & COLUMN

Construction—Finish: Stairway, of sturdy wood construction, is made in two pieces. Rail, of heavy metal tubing, and wire rod is firmly braced. The full-round column of heavy tubing on a 16 in. wood base is notched to fit the stairway. Steps have 4 in. rise. White paint finish.

Size:

Setting, Overall: 4 ft. 7 in. deep x 5 ft. 4 in. wide — 4½ ft. high to rail column, 9 ft. high.

Stairway only: 2 ft. high x 4 ft. 7 in. x 4 ft. 7 in.

Column only (without notch): 10 in. dia., on 16 in. wood base 9 ft. high.

PRICE:

Complete	\$136.00	Column only (without notch)	\$24.50
Stairway only	82.50	Rail only	29.00



WOOD FRAMES

Very neat. Made from natural woods, polished to a smooth finish. Furnished complete with slip in type easel back finished in artificial suede.

5 x 7 size \$1.50

8 x 10 size 2.25

Dozen assorted 25% less.



WOOD FRAMETTES

Same as above. Slip in easel back.

Sold in assorted colors of wood only.

Size		Price
120	3 x 4	\$.25
116	3 1/4 x 4 1/4	.25



METALCRAFT FRAMES

Gold—Will Not Tarnish

Description

V-1056 3 1/4 x 4 1/4—
Miniatures,
gold only,
convex glass—
Vertical \$1.25

V-1061 V—5 x 7—
Gold, Vertical 1.50

V-1061 V—8 x 10—
Gold, Vertical 2.00
Gold, Vertical 2.00

25 Sheets 3 1/4 x 4 1/4 Ivora film 3.35

LEATHERETTE FRAMES

2 1/4 x 3 1/4 Single	..... \$ .50	8 x 10 Single	..... \$1.25
3 x 4 Single	..... .90	8 x 10 Double	..... 1.50



SAVOY FRAMES

Attractive fluted style in handsome color combinations of Maple and Gold. 1/2" molding, with sliding felt lined easel back and clear crystal glass.

5 x 7 "	..... 1.20
8 x 10 "	..... 1.50
11 x 14 "	..... 2.25

FASHION FRAMES

Patent No. 2357071



You and every professional photographer know that an attractive display is essential to every studio. You must change your pictures often. Your customers are directly influenced by your display. It is good business to show your work. Fashion Frames give a modern gallery atmosphere that influence sales. You take good photographs; you must show them. It will pay you dividends.

YOU CAN SELL FASHION FRAMES

Fashion Frames are packed in individual boxes and retail for 50c; or, if you install and furnish the glass with a customer's picture, they can be sold for \$2.50 to \$5.00. Many photographers are selling one complete Fashion Frame picture with most orders. Your customers will like them; you will collect additional sales. Every Fashion Frame sold becomes a display piece of your work.

FASHION FRAMES

are made of hard, natural wood and adjustable to any size up to 16 x 20 inches. Are easy to assemble, easy to change, modern in design—inexpensive.



Place any size picture and mount between two pieces of single weight glass.



Attach molding to the top and bottom of the glass, fitting it in the groove.



Simply turn the key, twisting the string, to tighten the moldings. When pictures are to be changed, reverse the twist of the key and slacken the cord.

PRICES:

1 Fashion Frame, boxed	\$0.50
10 Fashion Frames, boxed	3.50
25 Fashion Frames, boxed	8.50
50 Fashion Frames, boxed	16.25
100 Fashion Frames, boxed	30.00
250 Fashion Frames, boxed	68.75

Frame and any size glass up to 8 x 10 and Cardboard Backing \$1.00

Frame and any size glass 8 x 10 to 11 x 14 and Cardboard Backing 1.25

**ADJUSTABLE BRAQUETTE PICTURE FRAME**

Braquette is the idea frame for fine prints, photographs, and pictures generally. Smart, practical, it is used in the finest homes by the foremost artists, decorators, photographers and at leading museums and galleries.

Adjustable—fits any picture up to 36" high. The channels are made of aluminum, beautifully finished by the durable "Lumilite" process. The cord has a tensile strength of 40 lbs. per strand and will outlive years of continued framing.

Price, each \$1.50

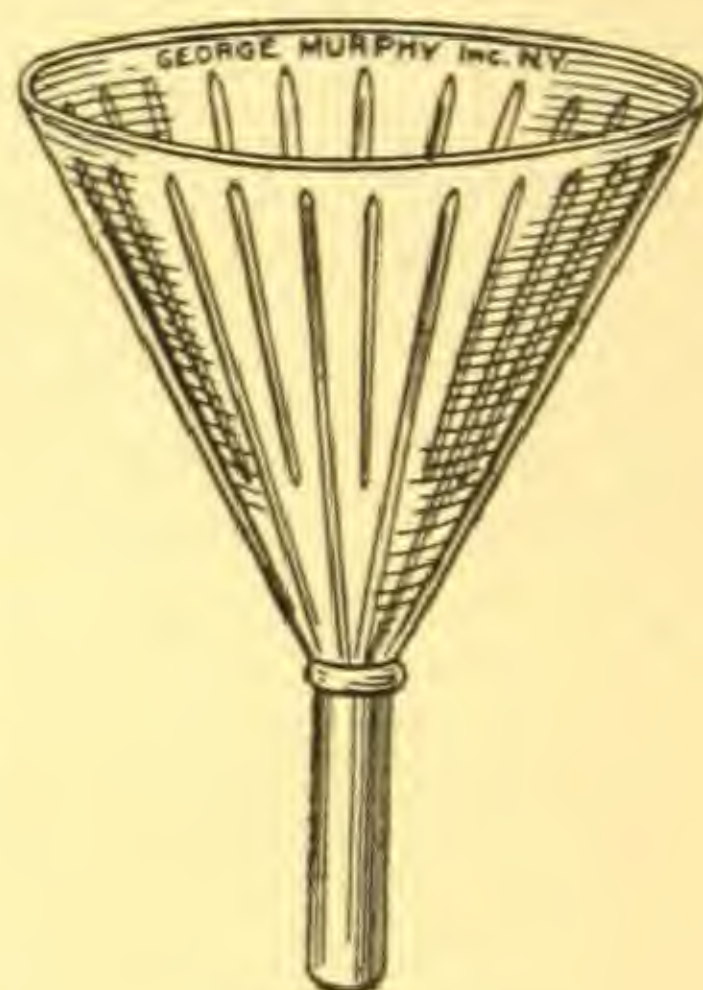
Eagle Plain and Fluted Glass Funnel

The plain funnels are made of a good quality plain glass.



Plain

	Diam. Inches	Prices
1/4 pint ...	3 3/4	\$0.45
1/2 pint ...	4 3/4	.50
1 pint ...	5 3/4	.75
1 quart ..	7 1/8	1.25
1/2 gallon .	8 3/4	1.80
1 gallon .	10 1/4	3.00
2 gallons	13	5.40



Fluted

EAGLE EMULSION GELATINE

A Gelatine specially suitable for lithographic, Photo-mechanical and Collotype work. It can also be used for gelatino-chloride emulsion.

1 oz.	.....	\$0.50
1/2 lb.	.....	1.50
1/4 lb.	.....	1.00
1 lb.	.....	2.50

GLASS

	Plain	No. 1 Superfine Ground Glass	Opal Ground Glass	Flashed Opal Glass
3 1/4 x 4 1/4	\$0.06	\$0.15	.....	.....
4 x 5 .....	.06	.15	\$0.50	\$0.20
5 x 7 .....	.10	.20	.55	.40
8 x 10 .....	.15	.40	.90	.90
10 x 12	*.20	*.75	1.25	1.25
11 x 14	*.30	*.80	1.50	1.65

*Add 25c for packing if less than 3 lights are ordered.

ROYAL

The Royal is the most efficient glass cutter made. The wheel is of the finest carbon steel, having a true, sharp edge.



Glass cutting is a simple operation when the Royal cutter is used. Each, \$0.30.

SURE CUT GLAZIER'S DIAMOND

Any one can cut with this style, however inexperienced in glass cutting, as it merely requires to be set on the glass and drawn over it to make a perfect cut.



NO. 1 EBONY SURE CUT

Price \$21.00
A low priced article for ordinary use

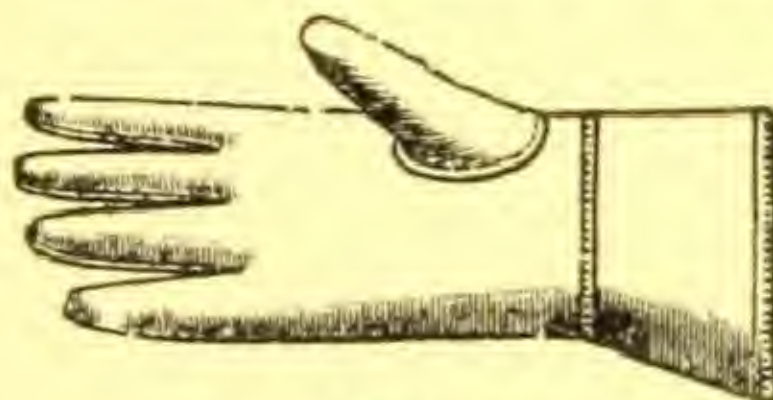
NO. 2 EXTRA TULIP SURE CUT

Price \$23.00
For use on ordinary glass

NO. 3 EXTRA ROSEWOOD SURE CUT

Price \$25.00
An excellent article for general use

RUBBER GLOVES



Etching

SEAMLESS LIGHT-WEIGHT RUBBER GLOVES

Made of pure, seamless rubber. They are of sufficient weight for durability but are thin enough to retain the operator's sense of touch.

Size 8½ or 9 each \$1.00

ELITE HEAVY RUBBER GLOVES

These gloves are made of pure rubber, heavy-weight, with gauntlet.

Size 10 each \$1.75

ETCHING RUBBER GLOVES

A heavy weight rubber glove, made to withstand the action of etching acids.

Size 9 and 10 each \$2.50

LE PAGE'S PHOTO-ENGRAVER'S GLUE

Especially prepared for half-tone solutions. Will be found to give better results than the ordinary glue. Packed in glass bottles.

Per quart \$3.75

**Eagle Enamel Graduates**

Made of finest quality enamel with blue enamel graduations, easily readable under any light. The large convenient handle makes them easy to use and they are of course unbreakable.

8 oz., or 250 cc.	..	\$1.10
16 oz., or 500 cc.	..	1.50
32 oz., or 1000 cc.	..	1.75
64 oz., or 2000 cc.	..	2.75
128 oz., or 4000 cc.	..	4.25

CYLINDRICAL GRADUATES
Metric Scale

More and more photographic laboratories are equipping themselves with Metric Cylindrical Graduates for accurate measuring. These are excellent for color work where very fine adjustment is necessary.

cc	Each	cc	Each
10	1.50	100	\$2.00
25	1.60	250	2.75
50	1.75	500	4.00
		1000	6.50

EAGLE ETCHED GRADUATE

These are the best etched lined, and are warranted accurate.

60 Minims	.....	\$0.85
120 Minims	.....	1.10
1 ounce	.....	.75
2 ounces	.....	.85
4 ounces	.....	1.00
8 ounces	.....	2.00
16 ounces	.....	3.00
32 ounces	.....	4.25

EAGLE MEASURING JUG

Made of strong, clear glass with moulded graduations as follows: 4, 12, 16, 20, 24, 28 and 32 ounces; also graduated for $\frac{1}{2}$ and 1 pint and 1 quart. The removable top, when inverted, may be used as a funnel.

Price \$1.75

EAGLE TWO-LIP DOUBLE SCALE GRADUATES

Cone shape. Double scale, Graduated on two sides—on one side in cubic centimeters on the other in Ounces.

1. Two-Lips

This feature allows you to pour easily and speedily with either hand, after reading either scale. Formerly it was necessary to shift the graduate from one hand to the other before pouring. The "TWO-LIP" makes this no longer necessary. Obviously the chance of spilling the contents or dropping the graduate is greatly lessened.

2. Two Color Scale:

On the "TWO-LIP" graduate the ounces scale is clearly marked in yellow, the metric scale in bright green. The two acid etched scales are placed on opposite sides of the graduate for clear distinction.

2 drachm and 10 cc.	.....	\$2.00	8 ounce and 250 cc.	.....	\$3.50
2 ounce and 60 cc.	.....	2.20	16 ounce and 500 cc.	.....	5.00
4 ounce and 125 cc.	.....	2.25	32 ounce and 1000 cc.	.....	6.75

TUMBLER GRADUATE MOULDED

Inexpensive yet fully reliable for all ordinary purposes. Shaped like glass tumbler but with lip for pouring.

4 oz.	8 oz.	16 oz.	32 oz.
\$0.30	\$0.50	\$0.70	\$1.00

GROUND GLASS SUBSTITUTE

For producing a ground glass surface on clear glass, backing transparencies, etc.

Hance's 4-ounce bottle	.....	\$1.25
" 16-ounce bottle	.....	4.75



CHILL-CHASER

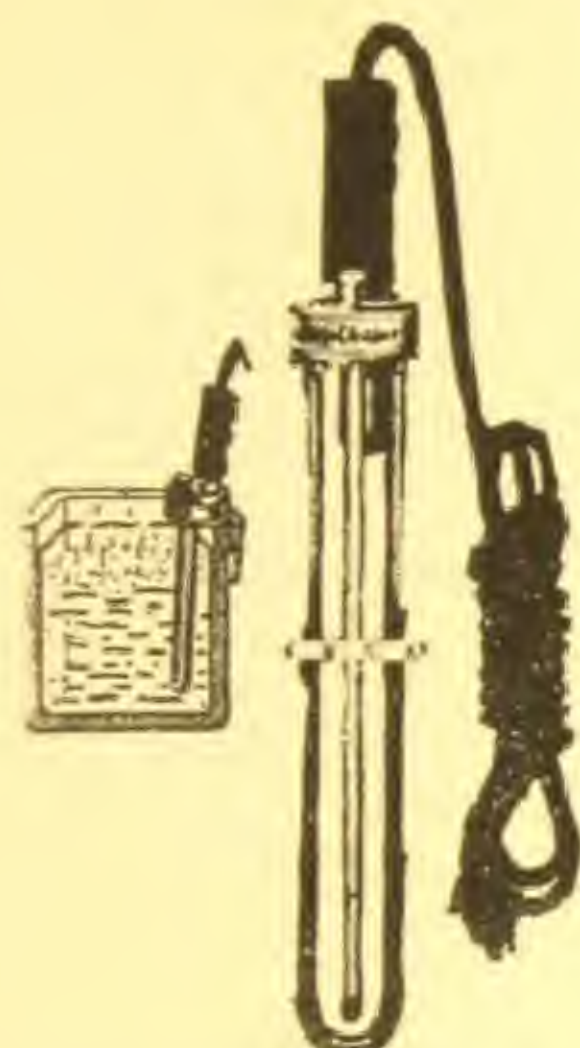
Automatic Electric Immersion Heater

Model No. S-1010

is designed to raise and keep developing and finishing solutions for negatives and prints, at the correct temperature, at all times. Especially important knob regulates temperature as calibrated on dial. Thermostat controls temperature to 1° F. tolerance. Safety cutout prevents element from overheating in or out of solution. Precision made of acid resisting stainless steel alloy.

Units are equipped with heat resisting plastic handle and 7 ft. rubber cord.

CHILL CHASER is quick in action. Raises temperature of one gallon of liquid 10° F. per minute.



Standard for 3½ Gallon Tank

Overall Length	15 "
Immersion Length	10 "
Width	1 5/8 "

Safe — Fully Insulated. No Fire Hazard.

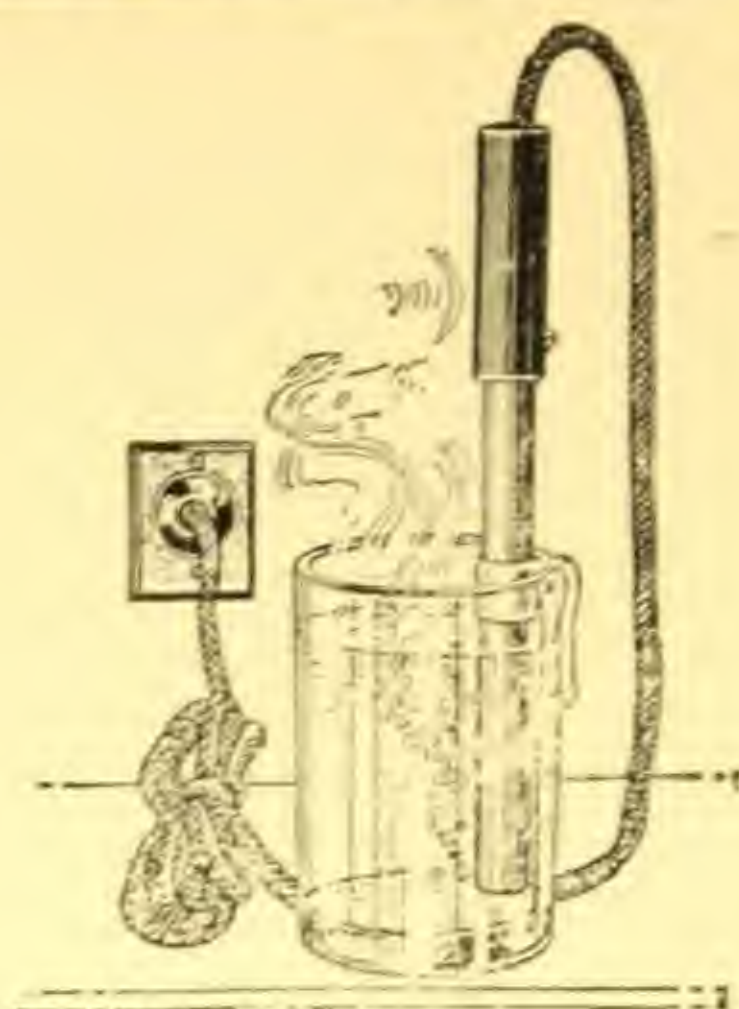
RATING 115 Volts. 9.5 Amps. A.C.

Model No.	Highest Temperature Obtainable up to	Length Overall	Immersion Length	Price Tax included
S-1005	160° F	10"	5"	\$10.50
S-1008	140° F	12"	8"	15.75
S-1012	100° F	17"	12"	16.80
S-1015	110° F	20"	15"	18.38
S-1048	80° F	53"	48"	31.50

Kodak Film and Plate Developing Hanger No. 2 and No. 4A.

	No. 2	No. 4A		No. 2	No. 4A
3 1/4 x 4 1/4		\$0.92	11 x 14	\$2.42	
4 x 5 .....		.92	9 x 12 cm.		
5 x 7	\$1.16	.97	13 x 18 cm.		\$0.97
8 x 10	1.35	No. 4—1.21	18 x 24 cm.		1.21

WAAG IMMERSION HEATERS



Bar Type
WAAG IMMERSION HEATER

In the mixing and use of Photographic solutions heat plays an important part. Quick, accurate heat is often needed, and the simplicity afforded by using an immersion type heater enables a very convenient trouble free source, for; You put the heat Into the Liquid instead of the Liquid over the Heat. The WAAG immersion heater, whether of the flash ring or the bar type gives the fastest possible heat by a minimum displacement, the distance the heat has to travel from the source to the water is only a few thousandths of an inch.

For normal non acid solutions these heaters are furnished in Chromium plated brass, and for acid solutions we are equipped to make them of acid resisting alloys at additional cost. Also for the large installations we furnish these heaters on standard pipe fittings.



Flash Type
WAAG IMMERSION HEATER

PRICES

Wat. Type		Overall		
		Length	Price	Tax
250	Bar	6 in.	\$7.50	\$.37
350	Flash	4½ in.	8.00	.40
500	Bar	12 in.	11.00	.54
500	Flash	8 in.	12.25	.61
1000	Flash	12 in.	16.75	
*1000	U	40 in.	27.50	

*Stainless steel

CONRAD RAZOR BLADE HOLDER



A handy tool for holding razor blades for cutting or scraping.

The top illustration shows the blade in position for scraping . . . lower illustration for cutting.

When not in use the blade is readily slipped back into the handle for safety.

Can be readily carried in the pocket.

Price complete with 3 extra single

edge blades \$50

Plate Holders

Sizes	2 1/4 x 3 1/4	3 1/4 x 4 1/4	4 x 5	5 x 7	8 x 10
Graflex	\$4.53	\$4.85	\$5.44	\$7.27	
Kodak				5.10	\$7.44
Graphic			5.12		
Sterling					8.50

Film Holders

Kodak				5.10	7.44
Anso			4.43	5.27	7.74
Graphic	3.70	3.79	4.02		
Graflex	4.53	4.85	5.44	7.27	

ALKON ALL METAL CUT FILM HOLDERS

These holders have no fabric hinge on the loading flap. All metal, no fabric to wear or tear. Permanent metal hinging assures long life and trouble free operation.

2 1/4 x 3 1/4 size	\$4.00
3 1/4 x 4 1/4 size	4.00
4 x 5 size	4.00
5 x 7 size	4.35

No. 100 HYGROMETER-THERMOMETER



This beautiful precision built instrument indicates at a glance both temperature and degree of humidity and will be found a great aid in maintaining healthful air conditions in home and color studios. Its sparkling design and easy readability make it an ever-pleasing and convenient appointment which fits into any decorative scheme. The rich black plastic case which looks well against any wall is pleasingly set off by contrasting polished chrome trim and satin silver finished scale and dial.

No. 100—Black bakelite case, chrome trim, 4 3/4" high, 4 5/8" wide, 1 1/2" deep.

PRICE \$4.00

Hydrometers

These instruments are invaluable for ascertaining the exact strength of photographic solutions.

The Royal hydrometer is of a better grade than our regular stock and guaranteed within 2° accurate.

No. 1 Eagle, with glass jar	\$1.00
Royal Hydrometer (guaranteed accurate)	1.25
Eastman Tested Hydrometer	2.00
Special Rotogravure Hydrometer	6.00



SNOW WHITE FLUID INK

Packed in plain carton case, with proper pens. Equally serviceable with pens, as a white ink; with brushes, as a white water color; and with air brushes, as a spray. A standard preparation combining a first class white ink, first class white water color; and first class air brush spray; all in the same jar.

$\frac{1}{2}$ ounce jar each.....\$0.25



From original
weak negative.

After being treated
with StrengthO.

STRENGTHO (Intensifier)

This is a Powerful Single Solution Intensifier



It is the most powerful intensifier on the market and the simplest to use, it being only necessary to dissolve the contents of the tube in water and the intensifier is ready for use. It is put up in hermetically sealed tubes, packed 12 tubes in a neat counter display box. Two sizes for four ounce and eight ounce solution.

No. 1. Tubes for 4 ounce solution.....\$0.15

No. 2. Tubes for 8 ounce solution......20

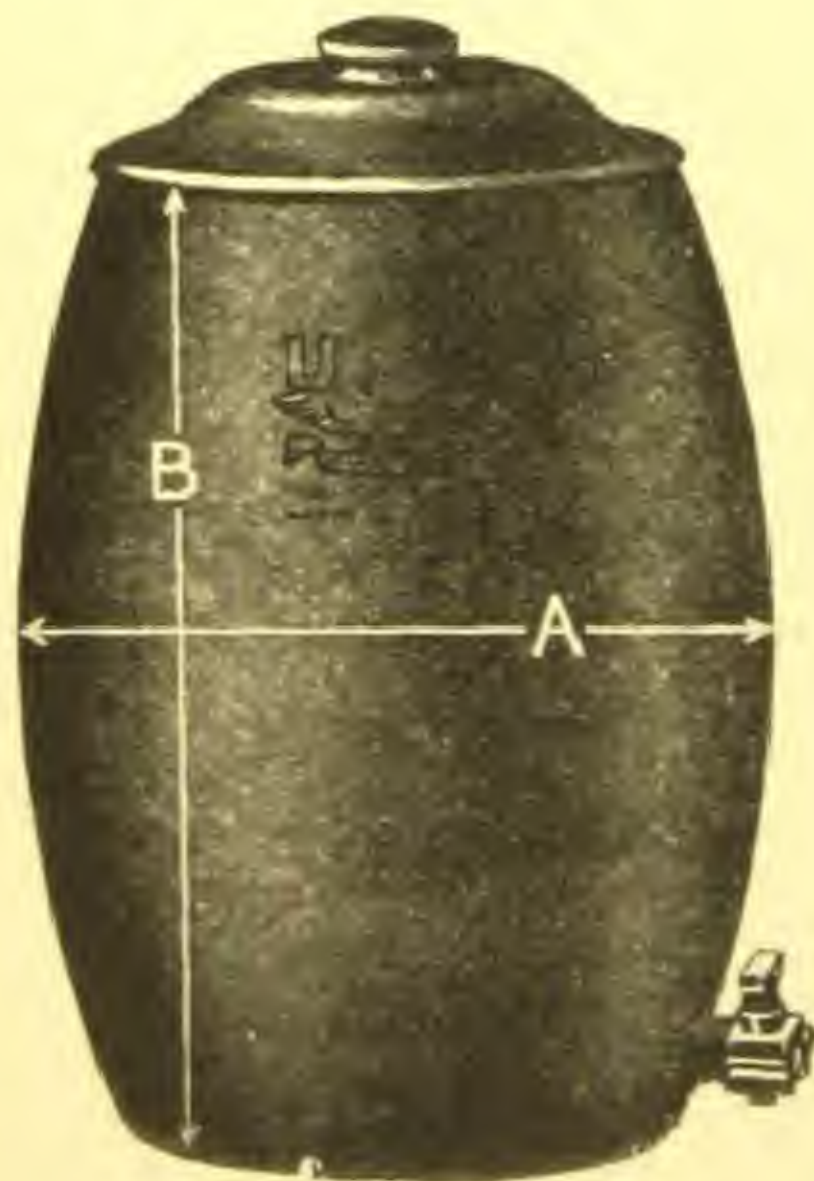
VICTOR INTENSIFIER

Victor Intensifier will build up negatives and films, in which the detail has not been brought up sufficiently in development to give good prints.

No. 1, Powder, makes 4 ozs.....\$0.25

No. 2, Powder, makes 8 ozs......45

No. 3, Powder, makes 16 ozs......85



COVERED STONEWARE DEVELOPER JARS NO. 519

Have your developer always ready for use and of an even temperature. These jars are now a necessity for all large laboratories where developer should always be ready for use and always uniform in quality. No Filtering. No Oxidization. The impurities always present, even in water, settle on the bottom below the faucet line and your developer is always clean and pure when drawn for use.

5 gallon size—with stoneware faucet\$33.75 + 4.78 Tax

10 gallon size—with stoneware faucet 46.00 + 6.58 Tax

Shipped F. O. B. factory only.

KODACHROME

Kodachrome gives you lovely, pure color with the ease of black and white. No extra equipment needed for taking all ordinary shots. The color is in the film. It yields full-color transparencies that may be viewed in their original size, or mounted for large size projection on the home screen. Available in two types, for artificial light or daylight use.

Kodachrome for Miniature Cameras

(135—(daylight type) 20 exposure magazine for Leica, Contax Argus, Retina and similar type 35 mm. cameras	\$3.45
(135A—(for use with photoflood or photoflash) 20 exposure magazine for Leica, Contax, Argus, Retina, etc.	3.45
(828—(daylight type) 8 exp. roll for Kodak Bantams	1.84
(828A—(for use with photoflood or photoflash) 8 exp. roll for Kodak Bantams	1.84

KODASLIDE READY-MOUNTS

Kodak Bantam Kodachrome (No. 828) and standard 35 mm. Kodachrome Film (No. 135), processed in the U.S.A. are now being mounted and returned to picture makers in the new Kodaslide Ready-Mounts, suitable for projection, at no extra cost. You need no longer make slides for projection—every exposure is returned as a slide. The Ready-Mounts are 2-inch squares of specially prepared pressboard, die-cut to receive each color transparency which will be lacquered on the emulsion side as a protection against dirt and finger marks.

Kodaslide Ready-Mounts for home mounting (135 or 828 size) box of 50 \$1.50

Kodaslide Sequence File. A neatly finished wooden box designed to hold, in the order to be shown, 100 Kodaslides. The grooved interior accommodates three movable metal septums for securely holding fewer slides than 100 or to separate slides of different subject matter.

Kodaslide Sequence File \$6.00

KODASLIDE MATERIALS

Kodaslide Cover Glass (2" x 2"), box of 36	\$.75
Kodaslide Masks (2" x 2"), box of 50 for No. 828 film .....	.50
Kodaslide Masks (2" x 2"), box of 50 for No. 135 film .....	.50
Kodaslide Tape, 10 yds. x $\frac{3}{8}$ " roll red or black .....	.50
Kodaslide Tape, 30 yds. x $\frac{3}{8}$ " roll, red or black	1.35

KODACHROME CINE FILM

Supplied in two types; Regular for daylight use and Type A for use with photofloods.

25 ft. roll for Cine-Kodak Eight	\$ 3.75
50 ft. roll for Cine Kodaks and similar 16 mm. cameras	5.65
100 ft. roll for Cine Kodaks and similar 16 mm. cameras	10.20
50 ft. magazine for Magazine Cine Kodak	6.75
50 ft. magazine for Simplex Pockette and Filmo 121	6.75

Prices include processing and return postage.

KODACHROME PROFESSIONAL FILM

Daylight Type and Type B
per 10 sheets

Sizes	List incl. Tax
2 1/4 x 3 1/4	\$10.95
2 1/2 x 3 1/2	10.95
3 1/4 x 4 1/4	13.85
4 x 5	17.75
5 x 7	23.35
8 x 10	47.05
11 x 14	89.35
4.5 x 6 cm.	9.55
4.5 x 10.7 cm.	10.95
6 x 13 cm.	13.30
6.5 x 9 cm.	10.95
9 x 12 cm.	15.65

KODAK EKTACHROME FILM

Daylight Type and Type B
per 10 sheets

Sizes	List incl. Tax
2 1/4 x 3 1/4	\$ 4.35
2 1/2 x 3 1/2	4.35
3 1/4 x 4 1/4	6.15
4 x 5	8.80
5 x 7	13.45
8 x 10	29.50
11 x 14	56.85
4.5 x 6 cm.	3.90
4.5 x 10.7 cm.	4.35
6 x 13 cm.	6.15
6.5 x 9 cm.	4.35
9 x 12 cm.	7.45

Free processing on Kodachrome, except where less than 3 films are sent, in which case a net service charge of 50 cents will be made.

Data book "Ektachrome and Kodachrome for Professional films" \$.50



EAGLE WOOD PLATE KITS

Kits make it possible for one to use small plates in a large plate holder, and are invaluable at times. Our Kits are made from selected wood and are thoroughly kiln dried.

Size Outside	Size of Opening of Plate	Plate
4 x 5	3 1/4 x 4, 3 1/4 x 4 1/4	\$.20
4 1/4 x 6 1/2	3 1/4 x 4 1/4, 3 1/4 x 5 1/2	.25
5 x 7	3 1/4 x 4	.30
5 x 8	4 1/4 x 6 1/2	.20
6 1/2 x 8 1/2	4 x 5, 4 1/4 x 6 1/2, 5 x 7	.30
8 x 10	3 1/4 x 4 1/4, 4 1/4 x 6 1/2, 5 x 7, 5 x 8, 6 1/2 x 8 1/2	.35
10 x 12	8 x 10	.50
11 x 14	6 1/2 x 8 1/2, 8 x 10, 10 x 12	.50
14 x 17	10 x 12, 11 x 14	.75

STENCIL SWIVEL KNIFE

Cuts any material from light silk screen to heavy metal foil. Strong, attractive Lucite handle. Blade of finest hardened tool steel, hand honed to a razor edge. Blade locks for straight line work or releases for curve work.

Shpg. Wt. 6 oz.	\$1.10
Extra blade, each	.45



G.E. "3200° K" MAZDA LAMPS

The introduction of Kodachrome film in the more popular cut sizes marks an important step towards a wider use of color photography. Satisfactory color rendition with this film under artificial light, depends upon the use of light sources with the proper color, as well as upon proper exposure. The color sensitivity of this new "Type B" Kodachrome has been balanced to give correct colors with incandescent lamps operating at a color temperature of 3200° Kelvin. The lamps listed below are designed especially for use with the new film. No filters are required.

SIZE	SHAPE	BASE	PRICE
500 watt	A-25	Med. Screw	\$0.77
1000 watt	G-40	Mog. Screw	7.45
1000 watt	PS-52	Mog. Screw	4.42
1500 watt	PS-52	Mog. Screw	6.07
2000 watt	G-48	Mog. Bipost	12.14
5000 watt	G-64	Mog. Bipost	27.50

LAMPS FOR STUDIO AND PROJECTION USE

250 Watt 120 Volt, T-14 Clear, Medium Prefocus Base	\$2.21
500 Watt 120 Volt, T-20 Clear, Medium Screw Base	2.76
500 Watt 120 Volt, T-20 Clear, Medium Prefocus Base	2.76
1000 Watt 120 Volt, T-20 Clear, Mogul Screw Base	5.24

GENERAL ELECTRIC PHOTOFLASH LAMPS

Size	Each	Package	½ Case	Case
SM	.16	(8) \$1.27	(64) \$8.34	(120) \$14.80
#5	.14	(8) 1.09	(64) 7.15	(120) 12.69
#5B (Blue)	.18	(8) 1.45	(64) 9.53	(120) 16.92
#6	.17	(8) 1.36	(64) 8.94	(120) 15.86
#11	.16	(8) 1.27	(64) 8.34	(120) 14.80
#22	.18	(6) 1.09	(60) 8.94	(120) 16.92
#22B (Blue)	.25	(6) 1.49	(60) 12.29	(120) 23.26
#31	.27	(6) 1.63	(30) 6.70	(60) 12.69
#50	.25	(6) 1.49	(30) 6.14	(60) 11.63
#50B (Blue)	.32	(6) 1.90	(30) 7.82	(60) 14.80

GENERAL ELECTRIC PHOTOFLOOD LAMPS

Size	Each	Package	½ Case	Case
#1	.18	(6) \$1.09	(30) \$ 4.47	(60) \$ 8.46
#B1 (Blue)	.34	(6) 2.04	(30) 8.38	(60) 15.86
#2	.34	(6) 2.04	(30) 8.38	(60) 15.86
#B2 (Blue)	.68	(6) 4.07	(30) 16.76	(60) 31.72
RFL2	1.19	.....	(12) 11.73	(24) 22.20
RSP2	1.36	.....	(12) 13.41	(24) 25.37
#4	1.36	.....	(12) 13.41	(24) 25.37
#B4 (Blue)	1.98	.....	(12) 19.55	(24) 37.00

GENERAL ELECTRIC PHOTO ENLARGING LAMPS

	Each
#111—75 Watt—S.C. Bayonet Cand. Base	\$.57
#211—75 Watt—Medium Screw Base .....	.41
#212—150 Watt—Medium Screw Base .....	.41
#213—500 Watt—Medium Screw Base .....	.41
#301—300 Watt—Medium Screw Base	1.24
#302—500 Watt—Medium Screw Base	1.24

All Prices Include Federal Excise Tax

SYLVIAN (WABASH) SUPERFLASH LAMPS

Superflash	Each Lamp	No. in Sleeve	Price Per Sleeve	No. in ½ Case	Price Per ½ Case	No. in Case	Price Per Case
SF	.16	10	1.58	120	15.64	240	\$29.60
#25	.14	10	1.36	60	6.71	120	12.69
#0	.16	10	1.58	70	9.13	140	17.27
#40	.17	8	1.36	60	8.38	120	15.86
#2	.18	2	.36	50	7.45	100	14.10
#3	.25			30	6.15	60	11.63
#25B	.18					120	16.92
#2B	.25					100	19.38
#3B	.32					60	14.80
#2A	.27					100	21.14

All prices are Fed. Ex. Tax included

EAGLE TIPLESS ELECTRIC BULB LAMPS

Natural Amber, Ruby and Green



These electric bulbs are specially for photographic use. They are similar to the ordinary electric light bulb screwing in the ordinary electric socket, found in dwellings and so forth. They are made tipless which prevents escape of light at the tip, this being the usual defect of the ordinary lamps. They are made in four, eight and sixteen candlepower. The amber bulb is suitable for bromide or gas light papers.

20 watt (4 C.P.) \$.55
30 watt (8 C.P.)60
60 watt (16 C.P.)65

20 watt (4 C.P.) \$.45
30 watt (8 C.P.)45
60 watt (16 C.P.)50

Green, 4 c.p. (20 Watt), Edison socket, 110 volt, each90

Tax Included



THE BROWNIE SAFELIGHT LAMP

Japaned metal, safelight end and side. Screws into light socket and takes 15-watt Mazda Lamp. Contains Series 1 safelights in end and side. Other safelights can be substituted.

Brownie Safelight Lamp \$3.14
Extra Circular End Safelight, any series .48
Extra Side Safelight, any series56

Brownie Darkroom Lamp Kit
Screw-in socket, bulb, and three cups — yellow, green, and red.
Price, \$1.81.



KODAK DARKROOM LAMP

Kodak Darkroom Lamp—A completely lighttight unit of the parabolic type, the Lamp—with its gray-finished shell—is attractively modern in design. A molded black lock ring holds the Safelight filter in position. The threaded connection permits the Lamp to be used either in a wall socket or from a drop cord. It is $5\frac{7}{8}$ inches in diameter, $6\frac{5}{8}$ inches high, and is fitted with a circular Kodak Wratten Safelight $5\frac{1}{2}$ inches in diameter. A Series 0A Kodak Wratten Safelight is supplied unless otherwise specified. Light source is a 10-watt bulb, not supplied. Other Safelight filters available are Series 1, 1A, 2, 3, 6B, and 7.

Price \$3.87



Kodak Adjustable Safelight Lamp—Its bracket permits it to be attached to a wall, shelf, or bench. It can be swung through nearly a complete circle and will remain at any chosen position. Unless otherwise specified, this lamp is supplied with a 5½-inch Series 0A Kodak Wratten Safelight. Other Safelight filters available are Series 1, 1A, 2, 3, 6B, and 7.

Kodak Adjustable Safelight Lamp, including one Safelight \$6.28

EAGLE SAFELIGHT LAMP

Including Universal Filter (OA Type)
for contact and enlarging paper



Sturdy Metal Construction
Baked Grey Enamel Exterior
Baked White Enamel Interior
Removable Front Section
Accommodates Wratten and Plastic
Filters Interchangeably

Price \$2.50
Tax included.

EAGLE DUPLEX SAFELIGHT LAMP



There are two compartments to this lamp, each having a lighting unit of its own. The safelight area is indirectly illuminated producing even lighting over the entire surface of the safelight. When the viewing light is desired, a turn of the toggle switch yields a diffused light through the frosted viewing glass. Made entirely of metal, corners securely welded.

Lamp with No. 2 safelight	\$15.65 tax included
8 x 10 Wratten Safelight Glass, any series	\$1.45
X-Ray safelight only	1.35

EASTMAN SAFELIGHTS FOR LAMPS

Series Oa (greenish yellow) for Azo, Illustrator's Azo, Velox, and similar Chlorobromide papers.

Series 1 (red) for Lantern Slide plates and non-color sensitized material.

Series 1-a (light red) for Kodalith materials.

Series 2 (dark red) for Ortho Chromatic films and plates.

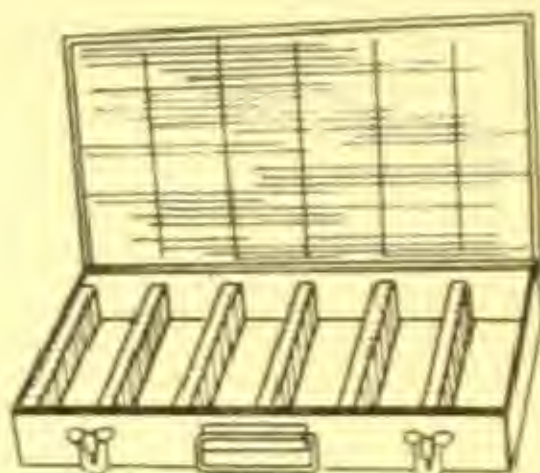
Series 3 (green) for Panchromatic film and plates.

Series 6b (amber) for medical and dental X-ray film.

Series 7 for infra-red sensitive film and plates.

5 1/2 diam. 80c. 8 x 10 \$1.50 ea. 10 x 12 \$2.00 ea.

SLIDEX METAL SLIDE BOX



... THE ALL-METAL SLIDE FILE

Holds 300 Kodak Ready-mounts or 150 standard 2" x 2" glass slides. Each slide compartment is numbered; an index mounted inside the cover helps you put your finger on any slide ... instantly! Slide slots are constructed to prevent rattling or breakage; the all-steel case has a blue-gray baked wrinkle finish; equipped with carrying handle and two steel fasteners.

PRICE \$3.35

BRUMBERGER ALL-METAL SLIDE FILES



THE PERFECT STORAGE PLACE FOR GLASS SLIDES AND READY-MOUNTS

Portable ... fitted with sturdy metal handle and two Snap Locks. Provided with Index Card and Numbered Strips to assure quick, accurate selection of slides. Spot Welded for strength and durability, and attractively finished grey, wrinkle enamel.

No.	Slide Size	Glass Slide Cap*	List Price
1075	3 1/4" x 4"	75	\$3.95
1100	2 3/4" x 2 3/4"	100	3.95
1125	2 1/2" x 2 1/2"	125	3.95
1150	2" x 2"	150	2.95

*Holds twice as many "Ready-mounts"

EAGLE LANTERN SLIDE VISE Revolving

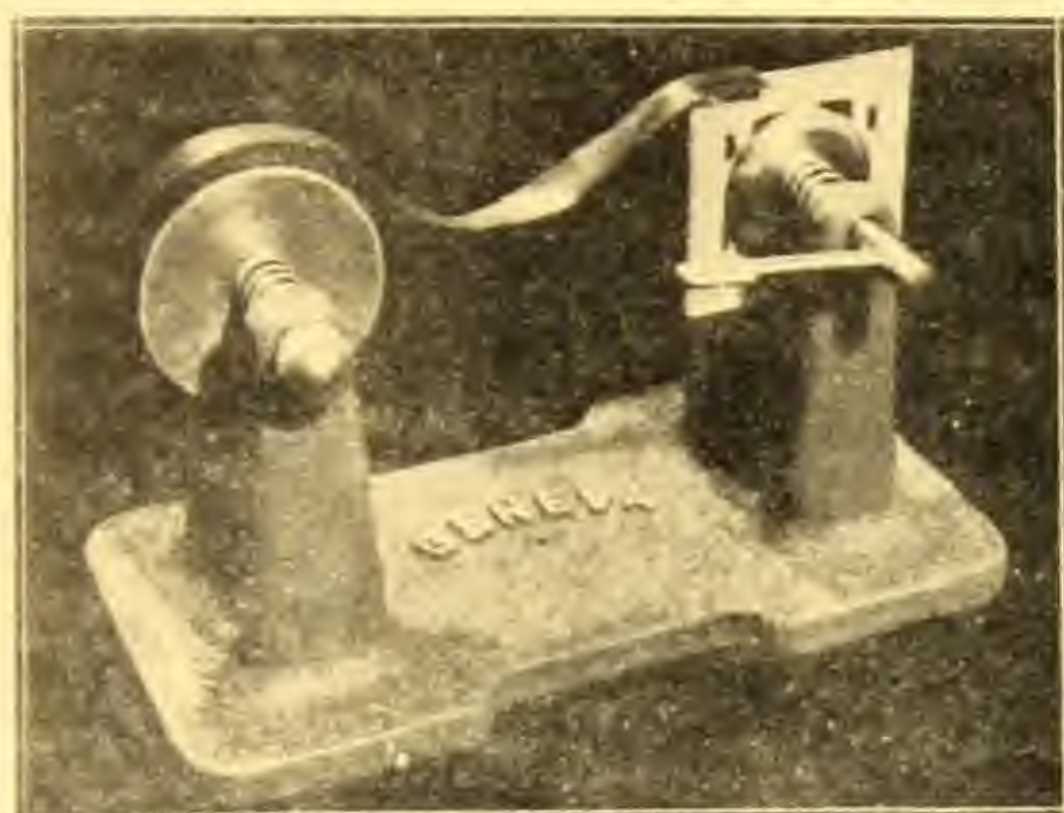
FOR 2 x 2 OR 3 1/4 x 4 SLIDES

By the use of this Vise the mat is held in close contact with the lantern slide and cover glass, thus leaving both hands free to manipulate the binding strip. When the slide is clamped between the rubber discs, it may then be revolved to facilitate the operation of binding.

EACH \$4.00



GENEVA SLIDE BINDER



For all sizes from 35mm to $3\frac{1}{4} \times 4$.

A fine substantial piece of photographic equipment of cast aluminum.

Simple to operate. . . . Beautifully finished in gray crackle baked enamel and satin trim.

Simply press the lever to insert slide mount.

Price \$5.75

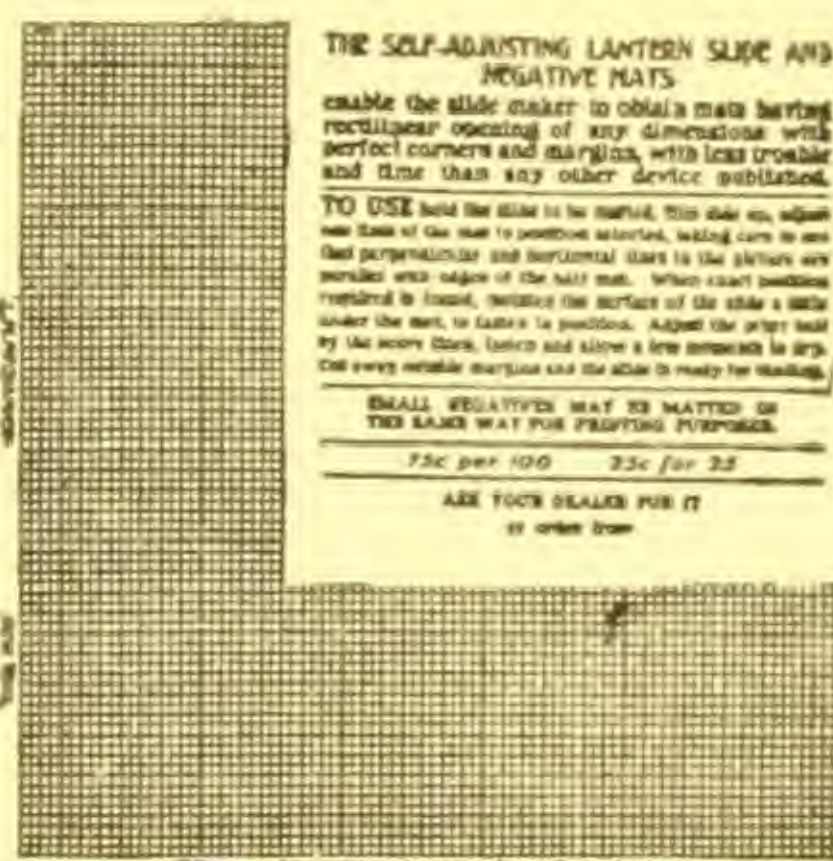
McCORMICK SELF-ADJUSTING LANTERN SLIDE MAT

The Self-Adjusting Lantern Slide and Negative Mats enable the slide-maker to obtain mats having rectilinear openings of any dimensions with perfect corners and margins, with less trouble and time than any other device made.

To use, hold the slide to be matted, film side up, adjust one section of the mat to position selected, taking care to see that perpendicular and horizontal lines in the picture are parallel with edges of the half mat. When exact position required is found, moisten the surface of the slide a little under the mat to fasten in position. Adjust the other half by the score lines; fasten and allow a few moments to dry. Cut away outside margins and the slide is ready for bidding.

Price, per pad of 25 \$0.50

Price, per pad of 100 \$1.50



THE SELF-ADJUSTING LANTERN SLIDE AND NEGATIVE MATS

enable the slide-maker to obtain mats having rectilinear openings of any dimensions with perfect corners and margins, with less trouble and time than any other device published.

TO USE: Hold the slide to be matted, film side up, adjust one section of the mat to position selected, taking care to see that perpendicular and horizontal lines in the picture are parallel with edges of the half mat. When exact position required is found, moisten the surface of the slide a little under the mat to fasten in position. Adjust the other half by the score lines; fasten and allow a few moments to dry. Cut away outside margins and the slide is ready for bidding.

SMALL NEGATIVE MAT IS MATTED IN THE SAME WAY FOR PREPARING POSITIVES.

75c per 100 25c per 25

ASK YOUR DEALER FOR IT or order from

OLMSTED

Lantern Slide Mats

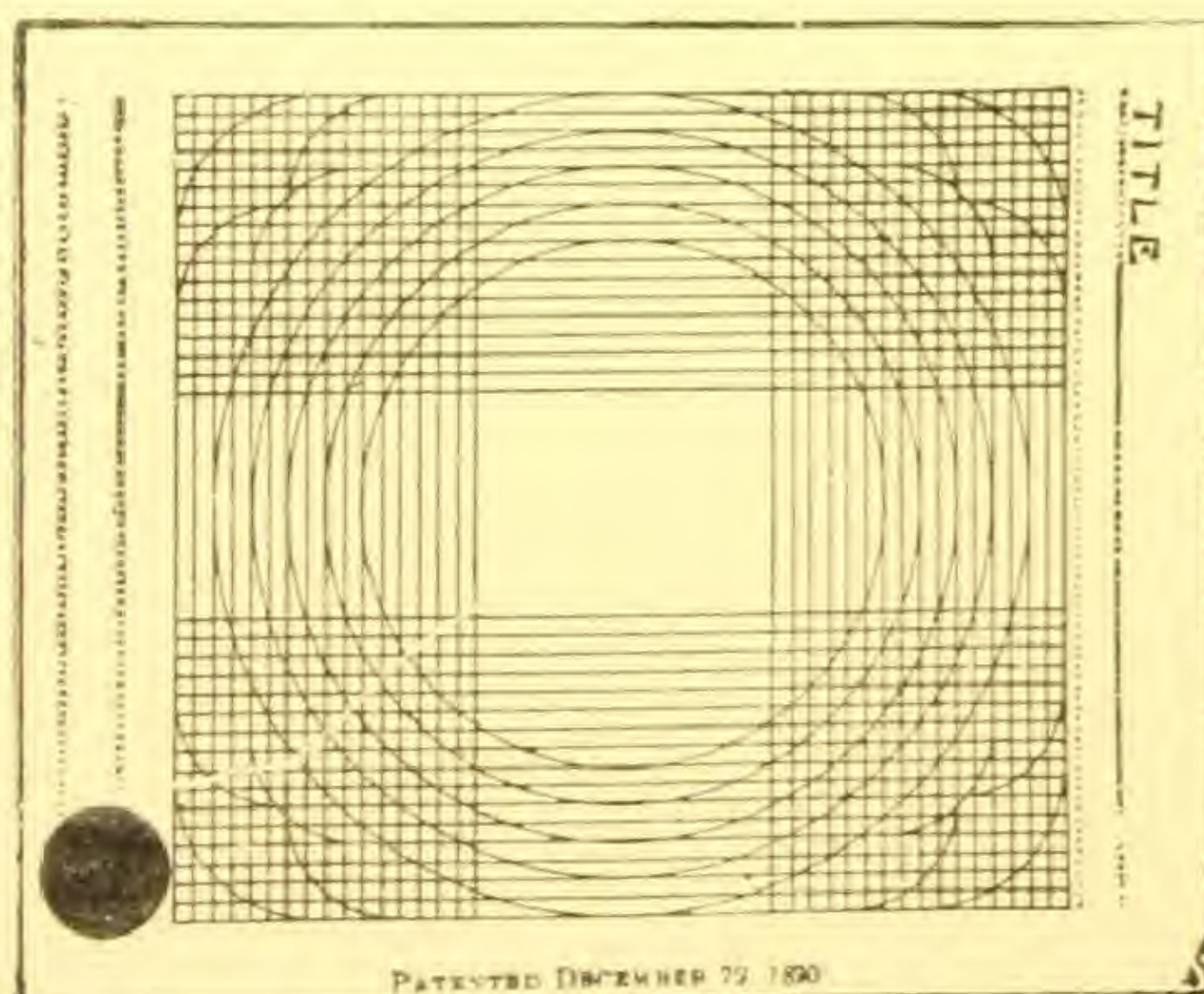
(Patented Dec. 26, 1898)

This is without doubt, the most convenient form of lantern slide mat. It is so constructed that with the aid of a knife, and with out the use of a rule, any opening of any size or shape can be cut in a few seconds. It combines every desirable feature, including place for name and number and indicating mark. Mats are full Lantern Slide size, $3\frac{1}{4} \times 4$.

Prices

Per pkg. of 2550

Per box of 100 \$1.75



ROYAL LANTERN SLIDE MATS



These mats are made of superior paper, the specific qualities being in water-proof finish, dense opacity and toughness. It is a solid black throughout.

These mats are cut with the greatest accuracy, keenly cut and devoid of ragged edges. Outside measurement of each is $3\frac{1}{4} \times 4$ inches.

Per package of 25 mats, not assorted	\$0.35
Per box of 100 mats, not assorted	1.25
Per 1000 bulk (one size)	12.00



RADIO-MAT SLIDES

Every motion picture theater, lodge, church, club, etc., wherever timely messages must be delivered to the audiences, Radio-Mats are best and quickest. Pleasing slides can be prepared on a moment's notice. Radio-Mat slides are ready for typing. They slip in the typewriter as easily as an envelope. Indispensable for exhibitors' announcements.

$3\frac{1}{4} \times 4$ (American size) per box of 50	\$1.50
2×2 Fit 35 mm. Box of 50 (100 slides)	2.25

EAGLE TITLING STRIPS FOR LANTERN SLIDES



Exact size.

These strips of white paper are gummed on one side, the other side has a red star printed on one end. They are of the greatest convenience for titling lantern slides, and the star serves the purpose of designating

which end is to be put into the carrier first. The cut illustrates the exact size.

Price, per package of 100	\$0.25
Per package, 200 strips for 2×2 slides	(6)

EAGLE LANTERN SLIDE BINDING STRIPS

Made of an extra tough, black paper, and has been on the market for years. Coated on one side with special gum, which is the strongest adhesive known. They are cut exact size for the standard lantern slide and packed neatly in long carton boxes. Fifteen inches long, $\frac{1}{2}$ inch wide.

Per package, 50 strips

EAGLE BINDING STRIPS



\$0.18

EAGLE LANTERN SLIDE COVER GLASS



Eagle Cover Glass cut to the size of $3\frac{1}{4} \times 4$ inches is now supplied in case lots of 1,108 pieces in a case. The glass is carefully selected crystal glass.

EAGLE REGULAR	
Per doz. \$0.50; Per gross \$4.00	
Case (1,108) \$27.00	
EAGLE SELECTED	
Per doz. \$0.55; Per gross \$5.50	
Case (1,108) \$35.00	
2 x 2 SIZE	
3 doz. pkg. \$0.40; 500 \$3.50	
$2\frac{1}{4} \times 2\frac{1}{4}$ SIZE	
50 lights	\$1.50
100 lights	2.65

PRICE LIST OF LARJACHROME PRODUCTS

Six items are required for the LARJACHROME process. Temporary Support Paper, Final Support Paper, Film Base Solvent, Paper Conditioner, Expansion Compound and Clearing Reducer. These materials are packaged in the sizes and quantities listed as well as in Kits obtaining all items in the proper proportion for a balanced initial order. The size of the Kit necessary is determined by the size of the largest transparency for which it will be used. When ordering keep in mind that the temporary support and final support can be cut down to effect an economy if it is desired to also use smaller transparencies. With every Kit the chemicals, if used in accordance with instructions, will be far more than enough to process the quantity of paper supplied. The keeping qualities of the mixed or unmixed chemicals and the paper are excellent. There need be no fear of the materials spoiling or losing strength on the shelf.

Kit #34 — \$5.95

For 2 1/4 x 3 1/4 Transparencies or Smaller

12 Sheets 5x7 Temporary Support	4 Drams Paper Conditioner
12 Sheets 5x7 Final Support	4 Drams Expansion Compound
1 Pint Film Base Solvent	2 Ounces Clearing Reducer

Kit #45 — \$14.95

For 4 x 5 Transparencies or Smaller

25 Sheets 5x7 Temporary Support	4 Ounces Paper Conditioner
25 Sheets 8x10 Final Support	4 Ounces Expansion Compound
1 Quart Film Base Solvent	4 Ounces Clearing Reducer

Kit #57 — \$24.95

For 5 x 7 Transparencies or Smaller

12 Sheets 8x10 Temporary Support	4 Ounces Paper Conditioner
12 Sheets 11x14 Final Support	4 Ounces Expansion Compound
2 Quarts Film Base Solvent	4 Ounces Clearing Reducer
1 1/2 Inch Brush	

Kit #81 — \$34.95

For 8 x 10 Transparencies or Smaller

12 Sheets 11x14 Temporary Support	4 Ounces Paper Conditioner
12 Sheets 16x20 Final Support	4 Ounces Expansion Compound
1 Gallon Film Base Solvent	4 Ounces Clearing Reducer
1 1/2 Inch Brush	

EXPANSION COMPOUND

4 Drams—\$1.10	4 Ounces—\$4.85	1 Pound—\$17.95
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PAPER CONDITIONER

4 Drams—\$.85	4 Ounces—\$3.85	1 Pound—\$13.95
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FILM BASE SOLVENT

1 Pint—\$1.95	1 Quart—\$3.85	1 Gallon—\$11.85
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CLEARING REDUCER

2 Ounces—\$.50	4 Ounces—\$.95
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TEMPORARY OR FINAL SUPPORT PAPER

	12	25	50	100
5x7	\$1.75	\$3.25	\$6.10	\$11.85
8x10	3.65	6.95	12.50	22.25
11x14	6.85	13.50	24.85	47.50
16x20	9.50	18.50	35.50	68.50

1/2 Inch Brush — \$.60

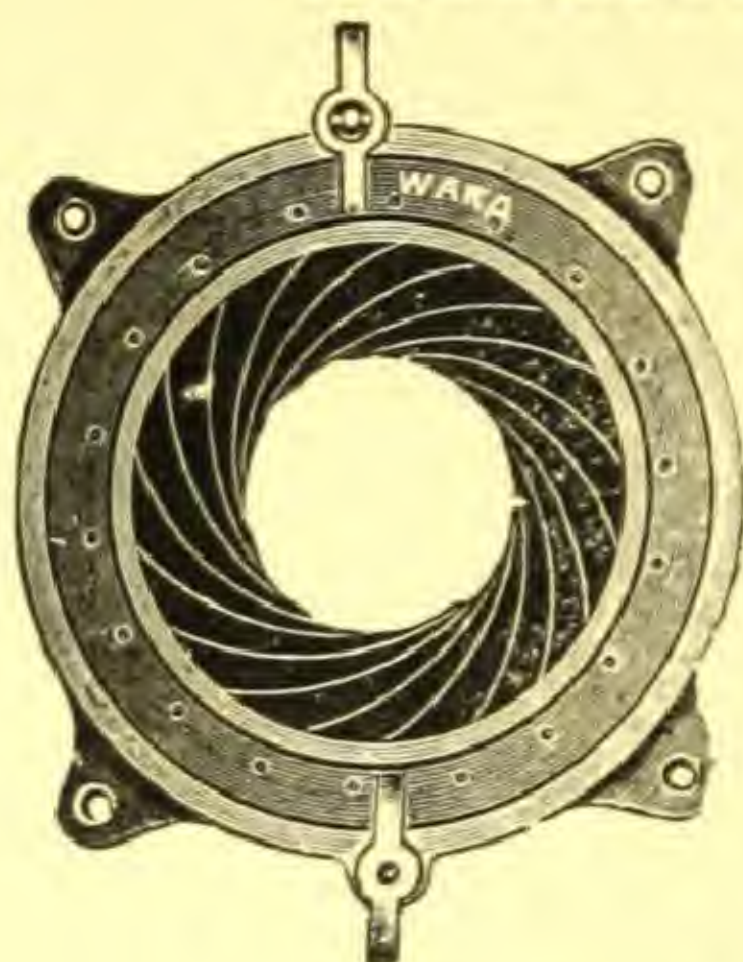
LEATHER CAMERA DRESSING

A most satisfactory, permanent water-proof dressing for refinishing all leather parts of camera, carrying cases and leather goods generally. It gives an unusual newness to all leather products. Easily applied with soft cloth or brush. Will not deteriorate or be affected by climatic changes. Full instructions accompany each bottle.

Eagle for Russet color—4 oz. bottle \$0.75

Royal for Black color—4 oz. bottle75

PRECISION IRIS LENS FLANGE



PERMITS QUICK CHANGE OF LENSES

Range from $\frac{1}{4}$ to $3\frac{3}{4}$

The Iris Flange when attached to the lens board provides a quick and easy means of changing lenses. Holds the lens in a firm grip. The opening and closing of the flange is accomplished by a rack and pinion mechanism; simple and smooth in operation. Accurately machined of duraluminum, brass and steel.

IRIS JUNIOR Flange—has a range of $\frac{1}{4}$ to 3" and fits all lens boards for 5 x 7 cameras.

IRIS SENIOR Flange—has a range of $\frac{3}{4}$ to $3\frac{1}{4}$ " and fits all lens boards for 8x10 cameras.

Iris Junior 15.95

Iris Senior 17.95

TURNER LENS HOOD

Needs a Lens Hood. It doubles your choice of subject by enabling you to "face the light." The Turner Lens Hood is of special spring brass, with a swaging to grip the narrowest mount, and braided to prevent scratching.

No. 00 for $\frac{3}{4}$ " Diameter lens mount	\$5.20
No. 0 for $\frac{7}{8}$ " Diameter lens mount .....	.20
No. 1 for $1\frac{5}{16}$ " Diameter lens mount .....	.25
No. 2 for $1\frac{1}{2}$ " Diameter lens mount .....	.30
No. 3 for $1\frac{3}{4}$ " Diameter lens mount .....	.35
No. 4 for 2" Diameter lens mount .....	.40
No. 5 for $2\frac{1}{2}$ " Diameter lens mount .....	.45

Extra 25% Federal Excise Tax



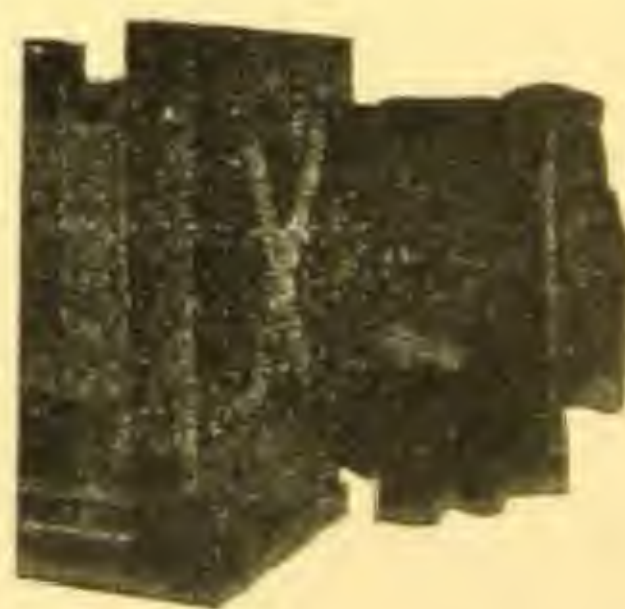
CORNELL LENS HOOD

The Cornell Lens Hood keeps all stray light from the lens and insures clear and bright negatives. Will close out of the way when you wish to change your lens or diaphragm. Can be set sidewise when working towards the light, and the camera will not move if you run against it.

No. 1 For 5x7 View Camera \$5.00

No. 2 for 8 x 10 Studio Camera 7.50

Manufacturers Excise Tax 25% additional.



ROYAL PROFESSIONAL LENS HOOD



Assure yourself of perfect negatives free from glare caused by stray light. The Royal Professional Lens Hood is bonnet-shaped to exclude glare from the camera lens. Adjustable, it can be instantly attached to the lens barrel. Compact, can be rolled up and carried in camera case.

Size No. 2½	for lens barrels 2½ to 3" diam.	\$1.50
Size No. 3	for lens barrels 3 to 3½" diam.	1.50
Size No. 3½	for lens barrels 3½ to 4" diam.	1.50
Size No. 4	for lens barrels 4 to 4½" diam.	2.00
Size No. 5	for lens barrels 4½ to 6" diam.	2.00

Mfg. Excise Tax 25% extra

UTILO LENS CAPS



The lens of your camera should always be protected from dust and grit. The use of one of these inexpensive caps will safeguard your lens when it is not in use. Utilo all metal lens caps are made of brass and carefully and attractively finished in satin chromium. Each has six adjustable prongs around the rim assuring a perfect fit; available in the following sizes:

Diam.	Price	Diam.	Price
25 mm .....	.50	51 mm .....	.65

Utilo Combination Lens Shades



Protect the lens from stray light rays, preventing flare spots and aid in producing clearer pictures. Extremely lightweight, grips the lens mount by means of six adjustable fingers. Outside finish is durable lustrous black, inside dull anti-reflection black. A metal ring inside the shade will hold the Utilo Supplementary Lenses.



table fingers. Outside finish is durable lustrous black, inside dull anti-reflection black. A metal ring inside the shade will hold the Utilo Supplementary Lenses.

Diam.	Price	Diam.	Price
25 mm	1.00	32 mm	1.10
29 mm	1.00	33 mm	1.25

UTILO SUPPLEMENTARY LENSES



Single lens elements which are placed in front of the regular camera lens to shorten or lengthen the focal length. Accurately ground and polished from crystal clear optical glass. Fitted into a slip on mount.

No. 1 Portrait attachment, for large images, head and shoulder portraits. Working distance at infinity setting—39", at 6' setting, 25½".

No. 2 Close up attachment, for pictures of small objects, flowers, table top shots, etc. Working distance 19" at infinity setting 15" at 6' setting.

No. 3 Telephoto attachment, for telephoto effects and to obtain large images without moving the camera nearer to the subject. Intended for use only on cameras with double extension bellows.

No. 1 Portrait		No. 2 Close Up		No. 3 Telephoto	
39 mm	1.50	25 mm	1.00	24 mm	1.00
42 mm	1.95	27 mm	1.15	25 mm	1.10
				27 mm	1.15
				28 mm	1.25
				29 mm	1.50
				32 mm	1.75

EAGLE COPYING & ENLARGING LENS (Supplementary)

Shortens the focal length of your present lens, adapts the ordinary camera for photographing objects or copying purposes. For use on cameras with ground glass focusing.

No. 00 $1\frac{1}{8}$ " dia.
No. 10 $2\frac{1}{4}$ " dia.

CLOSING OUT AT \$1.00 EACH

**EAGLE PORTRAIT LENS (Supplementary)**

Shortens the focal length slightly. With this attachment camera can be brought closer to subject and produces a larger image.

No. 4 $1\frac{7}{16}$ " dia. No. 10 $2\frac{1}{4}$ " dia.
No. 8 $1\frac{3}{4}$ " dia. No. 12 $2\frac{3}{4}$ " dia.

CLOSING OUT AT \$1.00 EACH

MODERNIZE YOUR LENSES

Hard Coatings on your lenses will

INCREASE SPEED

INCREASE SHADOW DETAIL

ELIMINATE INTERNAL MULTIPLE REFLECTIONS

IMPROVE COLOR FIDELITY AND CONTRAST

CHEMOPTICS HARD COATINGS developed during the war to increase the efficiency of optical devices used by the armed forces are now available to you. Hereafter all new lenses will be coated by the manufacturer before they are assembled. Chemoptics has developed a method of hard coating mounted lenses without unspinning them from their metal cells. Your present lenses can be modernized and with CHEMOPTICS HARD COATINGS they will include the very latest developments in the optical industry.

Coating services takes about one week and will greatly improve your results. Prices of a few lenses listed below others in proportion.

APO-TESSAR	F/9	9 "	22.00
APO-TESSAR	F/9	12 "	25.00
APO-TESSAR	F/9	18 "	25.00
GOERZ ARTAR	F/9	$9\frac{1}{2}$ "	20.00
GOERZ APO ARTAR	F/9.5	$16\frac{1}{2}$ "	28.00
GOERZ DAGOR	F/6.8	$8\frac{1}{4}$ "	20.00
GOERZ GOTAR	F/8	10 "	20.00
ZEISS TESSAR	1 C	7 "	22.00
ZEISS TESSAR	1 C	12 "	26.00

OUR LENS DEPARTMENT

Space will not permit us in this catalog to list all the various makes and sizes of lenses which are on the market and which we, of course, can supply. We are, however, listing some of the principal sizes and speeds of a number of well known makes.

We also buy, sell and exchange used lenses and would be pleased to send a copy of our monthly lens list as well as separate catalogs on any particular make or type of lens in which you may be interested.

We will gladly send any lens on 5 days' trial, with the understanding that if it is returned to us in good order within that time we will refund your money.

BAUSCH & LOMB LENSES
TESSAR 1c, f/4.5
**Balcoted—In Betax Shutter, without release*

Plate covered with stop f/4.5 Inches	E. F.		Shutter No.	Retail, Net without Excise Tax	Excise Tax
	Inches	mm			
3 1/4 x 4 1/4	5 1/2	139	3	\$ 63.60	\$ 6.73
4 x 5	6 7/8	164	3	83.00	9.97
5 x 8	8 1/4	210	4	130.00	16.71
8 x 10	12	305	5	258.00	36.96
5 x 7	7 1/2	190	4	99.00	13.21

CONVERTIBLE PROTAR VIIa, f/7.0
**Balcoted—In Shutter*

Plate covered with stop f/7.0 Inches	E. F. Inches		E. F. of Combination		Shutter No.	Retail, Net without Excise Tax	Excise Tax
	Front	Back	Inches	mm			
8 x 10	23 1/2	19	12	305	5 Betax†	\$358.00	\$53.63
8 x 10	23 1/2	19	12	305	4 Acme††	\$363.84	\$53.63

EXTREME WIDE ANGLE PROTAR V, f/18
**Balcoted—In Barrel with Iris Diaphragm*

Plate covered with stop f/18 Inches	E. F.		Cap No.	Retail, Net without Excise Tax	Excise Tax
	Inches	mm			
8 x 10	7 1/4	183	45	\$66.35	\$11.06

EXTREME WIDE ANGLE PROTAR V, f/18
**Balcoted—In Supermatic Shutter with Iris Diaphragm and Cable Release*

Plate covered with stop f/18 Inches	E. F.		Shutter No.	Retail, Net without Excise Tax	Excise Tax
	Inches	mm			
8 x 10	7 1/4	183	1	\$ 79.85	\$ 9.89

**ANIMAR LENSES FOR
8mm MOVIE CAMERAS**

	Price Excise Tax Included
Animar, 12.7mm, f/2.8, fixed focus	\$23.92
Animar, 14mm, f/1.9, focusing mount	60.96
Animar Telephoto, 25mm, f/2.7, focusing mount	54.84
Animar Telephoto, 37.5mm, f/3.5, focusing mount	60.96

**ANIMAR LENSES FOR
16mm MOVIE CAMERAS**

	Price Excise Tax Included
Animar, 25mm, f/2.7, fixed focus	\$28.88
Animar, 26mm, f/1.9, focusing mount	67.38
Animar Telephoto, 50mm, f/3.5, focusing mount	60.96
Animar Telephoto, 75mm, f/3.5, focusing mount	79.92
Animar Telephoto, 100mm, f/3.5, focusing mount	93.92

Wollensak

RAPTAR SERIES II f4.5 (Wocoted)

Catalog Number	Size Inch	Equiv. Focus		Barrel w/o tax	Rapax† w/o tax	Alphax† w/o tax	Betax w/o tax	Tax Lens in barrel	Tax Lens in shutter
		Inch	mm						
000	1 x 1 1/2	2	50	\$ 27.75		\$ 22.75		\$ 4.63	\$ 2.47
00	1 5/8 x 2 1/2	3	75	30.00	\$39.75	27.00		5.00	2.84
0	2 1/4 x 3 1/4	3 1/2	90	35.25	45.00	32.25		5.88	3.70
0-1	2 1/4 x 3 1/4	4	101	41.75	51.50	38.75		6.96	4.79
1	3 1/4 x 4 1/4	5	127	43.00	58.50		\$ 49.75	7.17	5.00
*1-2	4 x 5	5 3/8	135	46.00	61.50		52.75	7.67	5.50
2	4 x 5	6 3/8	162	59.50	80.50	73.25		9.92	7.26
3	5 x 7	7 1/2	190	75.50		89.25		12.58	8.94
3a	5 x 8	8 1/4	210	108.25		122.25		18.04	14.74
4	6 1/2 x 8 1/2	9 1/2	241	147.50		161.50		24.59	21.31
5	8 x 10	11 3/4	302	193.00		208.25		32.17	28.48

*Speed f4.7

SERIES IIIa EXTREME WIDE ANGLE f12.5 (Wocoted)

Cat. No.	Size Inch	Equiv. Focus		Angle of View	Barrel w/o Tax	Rapax† w/o Tax	Alphax† w/o Tax	Betax w/o Tax	Tax Lens in Barrel	Tax Lens in Shutter
		Inch	mm							
2	4x5	3 1/2	90	84°	\$ 35.50	\$ 45.25	\$ 32.50		\$ 5.92	\$ 3.75
3	5x7	4 1/4	108	88°	39.75	55.25		\$ 46.50	6.63	4.46
5	8x10	6 1/4	159	90°	55.00	76.00	68.75		9.17	6.51



RAPTAR WIDE ANGLE f6.8 (Wocoted)

Cat. No.	Size Inch	Equiv. Focus		Angle of View	Barrel w/o Tax	Rapax† w/o Tax	Alphax† w/o Tax	Betax w/o Tax	Tax Lens in Barrel	Tax Lens in Shutter
		Inch	mm							
1	3 1/4 x 4 1/4	2 3/8	65	88 1/2°	\$ 52.25	\$ 62.00	\$ 49.25		\$ 8.71	\$ 6.55
2	4x5	3 1/2	90	84°	55.00	64.75	52.00		9.17	7.03
3	5x7	4 1/4	108	88°	60.75	76.25		\$ 67.50	10.13	7.98

RAPTAR TELEPHOTO f5.6 (Wocoted)

Catalog Number	Size Inch	Equiv. Focus		Barrel w/o Tax	Rapax† w/o Tax	Alphax† w/o Tax	Tax Lens in Barrel	Tax Lens in Shutter
		Inch	mm					
1	2 1/4 x 3 1/4	8	202	\$ 89.50	\$105.00		\$ 14.92	\$ 12.75
2	3 1/4 x 4 1/4	10	254	120.00	141.00	\$133.75	20.00	17.34
3	4x5	15	380	172.50		\$186.50	28.75	25.46



TELEPHOTO

RAPTAR ENLARGING f4.5 (Wocoted)

Catalog Number	Size Inch	Equiv. Focus		Barrel w/o Tax	Tax
		Inch	mm		
000	1 1/4 x 1 5/8	2	50	\$ 18.75	\$ 3.13
00	2 1/4 x 2 1/4	3	75	21.50	3.58
0	2 1/4 x 3 1/4	3 1/2	90	23.75	3.96
0-1	2 1/4 x 3 1/4	4	101	27.50	4.58
1	3 1/4 x 4 1/4	5	127	34.50	5.75
1-2	4 x 5	5 3/8	135	39.50	6.58
2	4 x 5	6 3/8	162	48.50	8.08
3	5 x 7	7 1/2	190	67.50	11.25
3a	5 x 8	8 1/4	210	96.25	16.04
4	6 1/2 x 8 1/2	9 1/2	241	122.50	20.42

SPECIAL ADAPTER for fitting above 2", 3" and 3 1/2" Focus Lenses to Leica Enlargers \$2.25

ELGEET LENSES

Elgeet lenses are widely known for their fine optical precision and for fine craftsmanship

38 mm (1 1/2") F:3.5 Fixed Focus Telephoto for 8 mm "D" Mount Cameras \$31.30 (Tax Incl.)
7 mm F:2.5 Wide Angle for 8 mm "D" Mount Cameras \$41.40 (Tax Incl.)
Also available for Kodak and Bell and Howell Auto 8 \$47.55 (Tax Incl.)

75 mm (3") F:2.9 Focusing Telephoto for 16 mm "C" Mount Cameras \$64.30 (Tax Incl.)
Also available for Kodak 16 mm Cameras
13 mm (1/2") F:1.5 Wide Angle for 16 mm "C" Mount Cameras. \$88.95 (Tax Incl.)
Also available for Kodak 16 mm Cameras

Elgeet Cine Lenses are standard on DeJur, Franklin, Keystone and Revere Movie Cameras.

KODAK LENSES

Ektar Lenses, Kodak

101mm f/4.5 in Kodak Flash Supermatic Shutter.....	54.50
105mm f/3.7 in Kodak Flash Supermatic Shutter.....	85.00
127mm f/4.7 in Kodak Flash Supermatic Shutter.....	71.50
127mm f/4.7 in Kodak Supermatic X Shutter.....	62.50
127mm f/4.5 in barrel.....	58.33
152mm (6-in.) f/4.5 in Kodak Flash Supermatic Shutter...	95.00
7½-in. f/4.5 in Ilex Acme Synchro Shutter.....	186.00
7½-in. f/4.5 in Ilex Universal Shutter.....	149.75
7½-in. f/4.5 in barrel.....	125.00
8-in. f/7.7 in Kodak Flash Supermatic Shutter.....	77.50
12-in. f/4.5 in Ilex Universal Synchro Shutter.....	300.00

Ektar Lenses, Kodak

in Lens Board (2½ x 2½ inches)

101mm f/4.5 in Kodak Flash Supermatic Shutter.....	56.50
127mm f/4.7 in Kodak Flash Supermatic Shutter.....	73.50

Kodak Wide Field Ektar Lenses f/6.3

	Negative Size Covered at f/6.3	Negative Size Covered at f/16	
80mm in Kodak Flash Supermatic Shutter	2¼ x 3¼	3¼ x 4¼	\$118.00
100mm in Kodak Flash Supermatic Shutter	3¼ x 4¼	4 x 5	125.00
135mm in Kodak Flash Supermatic Shutter	4 x 5	5 x 7	145.00
190mm (7½-in.) in Ilex Acme Syn- chro Shutter	5 x 7	8 x 10	220.00
250mm (10-in.) in Ilex Universal Synchro Shutter	8 x 10	11 x 14	260.00

Kodak Commercial

Ektar Lenses f/6.3,

Lens in barrel with Iris Diaphragm

Equivalent Focus	Size covered with full aperture	
8½-in.	5 x 7	\$128.00
10-in.	6½ x 8½	175.00
12-in.	8 x 10	215.00
14-in.	8 x 10	250.00

Fitted to Ilex Synchro Shutter

Equivalent Focus	Size covered with full aperture	
8½-in.	5 x 7	\$175.00
10-in.	6½ x 8½	225.00
12-in.	8 x 10	270.00
14-in.	8 x 10	295.00

Enlarging Ektanon Lenses

in Lens Board (2½ x 2½ inches)

2-in. f/6.3	\$ 12.25
2-in. f/4.5	22.50
3-in. f/4.5	25.75
4-in. f/4.5	32.75
5¾-in. (135mm) f/4.5 ...	50.00
6¾-in. (161mm) f/4.5 ...	55.00

in Barrel with Iris Diaphragm

7½-in. f/4.5	\$ 93.50
10-in. f/8	143.00
10-in. f/4.5	156.50

Enlarging Ektar Lenses,

in Lens Board (2½ x 2½ inches)

2-in. f/4.5	\$ 49.75
3-in. f/4.5	52.50
4-in. f/4.5	\$ 56.00

KODAK SUPPLEMENTARY LENSES

Two kinds of Kodak Supplementary Lenses are available. They are the Kodak Portra Lenses 1+, 2+, and 3+, which can be used singly, or in combination to obtain powers higher than the 3+, and the Kodak Telek Lenses 1-, 2-, 3-, and 4-. Kodak Portra Lenses are positive meniscus lenses, and Kodak Telek Lenses are negative meniscus lenses. The numbers refer to power in diopters (explained later in this section).

Sizes Available: Kodak Portra Lenses 1+ and 2+ are available to fit Series V, VI, or VII Kodak Combination Lens Attachments, 3+ in Series V and VI sizes only. Kodak Telek Lenses 1-, 2-, 3-, and 4- are available in Series VI and Series VII sizes.

All Kodak Supplementary Lenses are ground and polished in the same manner as fine camera lenses.

	Series V Diameter 1 1/8"	Series VI Diameter 1 3/8"	Series VII Diameter 2"
Kodak Portra Lens 1+, 2+	2.80	3.35	4.15
Kodak Portra Lens 3+	2.80	3.35	4.15
Kodak Telek Lens 1-, 2-, 3-, 4- .....	....	3.35	....

EAGLE SPIRIT LEVELS



No. 18



No. 182

- No. 18—Eagle Folding Level—Folds to permit its use in a vertical horizontal position on the camera \$2.00
- No. 182—Eagle Double T Level \$1.50

FRESNEL GIRAFFE AND FRESNEL CUB

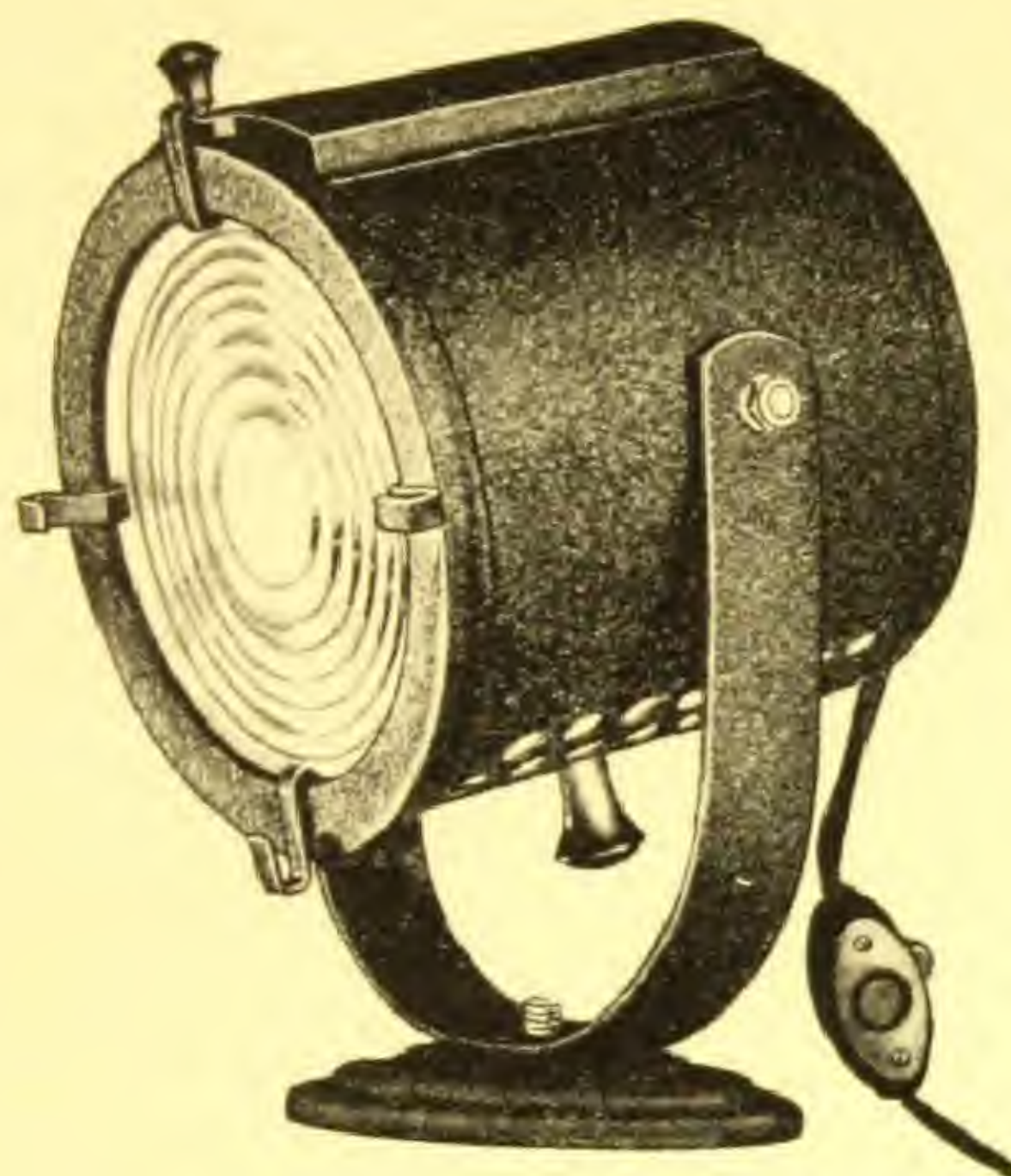
All-purpose boom spot-light providing unique flexibility of operation with ONE HAND REMOTE CONTROL of light position and angle of projection. Offers unsurpassed convenience of operation and optical efficiency. Focuses from concentrated spot to flood; hinged front opens providing extra wide flooding effect. At any given elevation stand is locked by cam lever, which releases by finger-tip pressure. Descent of stand is checked by Numocushion, preventing pinched fingers and damage to equipment. Perfect balance plus tension swivels hold head in desired position. Movable auxiliary counterweight adjusts balance for accessories.



Price
includes tax

Fresnel Giraffe SBF 560, Head and Boom (T)	\$ 89.50
Stand only	32.50
Complete	119.50
Fresnel Cub SBF 560C, head and boom (T)	79.50
Stand only	28.00
Complete	106.50
Mellobeam Diffuser for Fresnel Giraffes DP .....	.75
Color Filter Kit CK	1.50
Macbeth for Fresnel Giraffes, to correct 3200° K. light to daylight FD7	13.00

PHOTOSPOT MODEL SF 560



Universally adaptable lighting tool for the amateur and professional studio photographer, expertly engineered to give the most spotlight for the money. Offers every feature desirable for convenience of operation plus unsurpassed optical efficiency. Hinged front opens for interior access or conversion to open flood. Indispensable for portraiture, still life, table top, and commercial work; suitable for main light, back light, edge light, and fill-in light.

Type: Fresnel lens, focusing, spot-flood.

Lamp: 300-500-750 watt projection; midget flash using adaptor

Lens: 6" diameter heat resisting Fresnel lens.

Reflector: 4½" diameter chrome plated spherical.

Socket: Medium porcelain swivels for filament alignment.

Wiring: 10' asbestos and rubber cord, with 10 ampere feed through switch and molded rubber plug.

Ventilation: top, bottom, front and rear vents provide free air flow in every position.

Material: Welded 20 gauge sheet steel body; unbreakable malleable iron yoke and filter holders.

Finish: Outside, Baked Grey wrinkle; inside, baked dull flat black. Hardware cadmium plated.

Direction Control: Universal trunion swivel, position retention by spring washer and elastic stop nut assembly.

Adjustment: Bakelite heat insulating knobs for direction, focusing and interior access.

Interior Access: Hinged front retained closed with spring catch.

Accessory Attachment: three front filter holders accommodate filters, diffuser, framing masks, etc.

PHOTOMETRIC DATA

Focus Position	Spread at 5 ft.	Foot Candle Intensity at 5 ft.				
		Lamp #1	#2	#3	#4	#5
Spot	1'	2160	1240	2340	1535	3360
Intermediate	4'	947	514	1055	704	1535
Flood	6'	230	130	256	166	352
Open Front	24'	65	37	72	47	100
Fresnel Photospot SF560		Tax included \$19.50				
"Display" Barndoors BD6		Tax additional 8.00				
"Display" Spotshade SS6B		" " 5.00				
Mellobeam Diffuser for Photospot DP		" " .75				
Mask Set MRS		" " 2.50				
Masks, each (MR1, MR2, MR3, MR4,)		" " .75				
Color Filter Kit CK		" " 1.50				
Macbeth filter for Photospot, to correct 3200° K. light to daylight		" " 13.00				
Numocushion stand, with adaptor		" " 25.00				

COLD-LITE . . O New and Better Light for Your Enlarger!



The **ARISTO-COLD-LITE** is a compact, ruggedly constructed unit. It is made of the finest materials. The lamp is housed in a smart black crinkle finish metal case. Each unit comes completely equipped with an adapter plate to fit your enlarger, diffusion element, cord and switch.

THE "HOT SPOT" PROBLEM

The grid construction of the **ARISTO-COLD-LITE** eliminates the problem of uneven lighting and "hot spots."

ARISTO-COLD-LITE operates at a temperature slightly higher than that of the human body, leaving your negative **FRESH-CLEAN** and **FLAT**. Your negative will never buckle, or blister.

tone QUALITY and DETAIL

Conventional lamps scatter light back and forth, producing slow and possible uneven negative illumination. **ARISTO GRID** lamps travel in straight lines producing sharper and clearer prints . . .

SPEED and SHARPNESS

Because of the high actinic light of the **ARISTO-COLD-LITE**, exposure time is cut in half, or less, compared with the conventional enlarger bulb. Reduction in exposure time will also reduce the possibility of "fuzzy" prints due to vibration. **GRIDS are INTERCHANGEABLE**

The lamps: B64 (6400 deg. K) "blue-Very Fast" . . . W 45 (4500 deg. K) "Pure White-Fast" W35 (3500 deg. K) "Soft White-Average Speed" are interchangeable in the lamp house unit.

CONSUMPTION of CURRENT

Power consumption of units are 4 x 5 — 30 watts . . . 5 x 7 — 50 watts . . . 8 x 10 — 100 watts. Heat temperature of grids 115 deg.

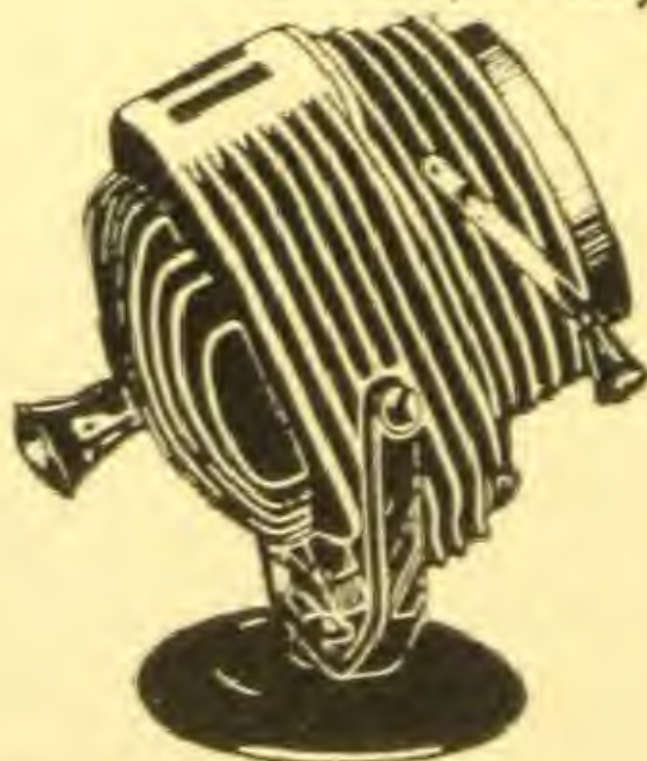
PRICE

In addition to these stock models **ARISTO-COLD-GRID-LIGHTS** can be supplied for ANY ENLARGER. White name and size. We will quote.

STANDARD 4 x 5	\$28.75
KODAK PRECISION "B"	\$32.50
OMEGA-DII	\$32.50
ELWOOD 5 x 7 MODELS	\$42.00
SOLAR 5 x 7	\$42.00
EASTMAN AUTO FOCUS 5 x 7	\$48.00
ELWOOD 8 x 10 MODELS	\$68.75

Tax included

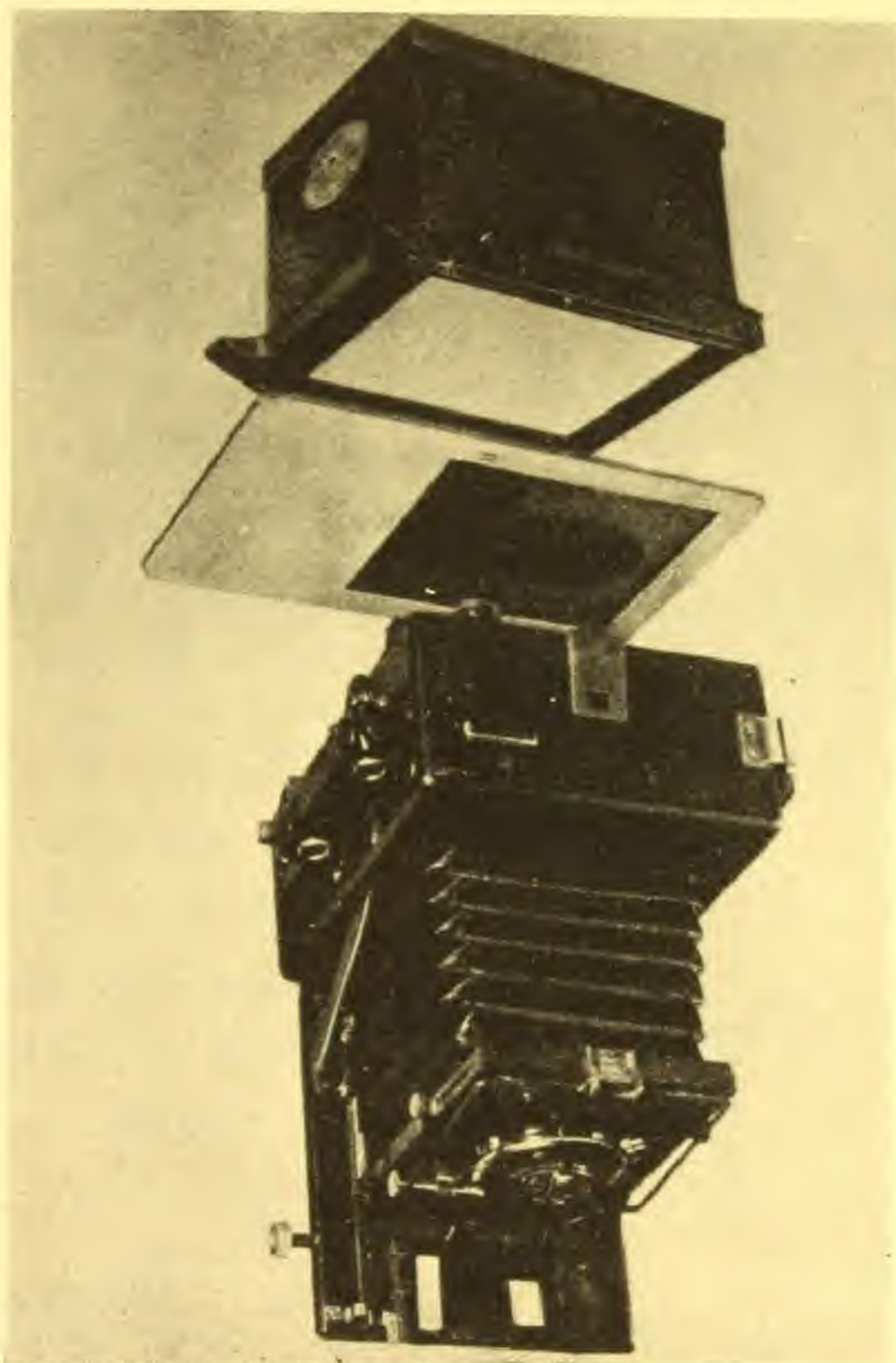
HI-SPOT (Hollywood Type Spotlight)



Die-cast of aluminum, the **Hi-Spot** is compact (only 6½" over-all), light in weight, sturdy and strong. The precise Fresnel lens, creates a concentrated, soft edge clear field spot, always insuring the right quality of light. A **Hi-Spot** Lamp, especially designed, provides a light center accurately placed for the highest efficiency. Unlike other lights, focusing is done entirely with the lens. The lamp itself is in a fixed position and therefore is not subject to rough use. The reflector is highly efficient, thereby almost doubling the working light of the lamp. The light baffle prevents stray light from escaping and helps to dissipate excessive heat. Insulated plastic knobs resist heat and make possible adjustment to all angles and focusing from a large to small spot. A swivel yoke permits adjustment to any angle. The base is equipped with a standard tripod threaded socket. The **Hi-Spot** comes complete with ten feet of cord.

Spotlight	\$16.65
H. S. R. Lamp	2.95
Adapter ½"	.35
Adapter ¾"	.30

NOW Enlarge With Your CAMERA LENS And the ARISTO Cold Light Pack

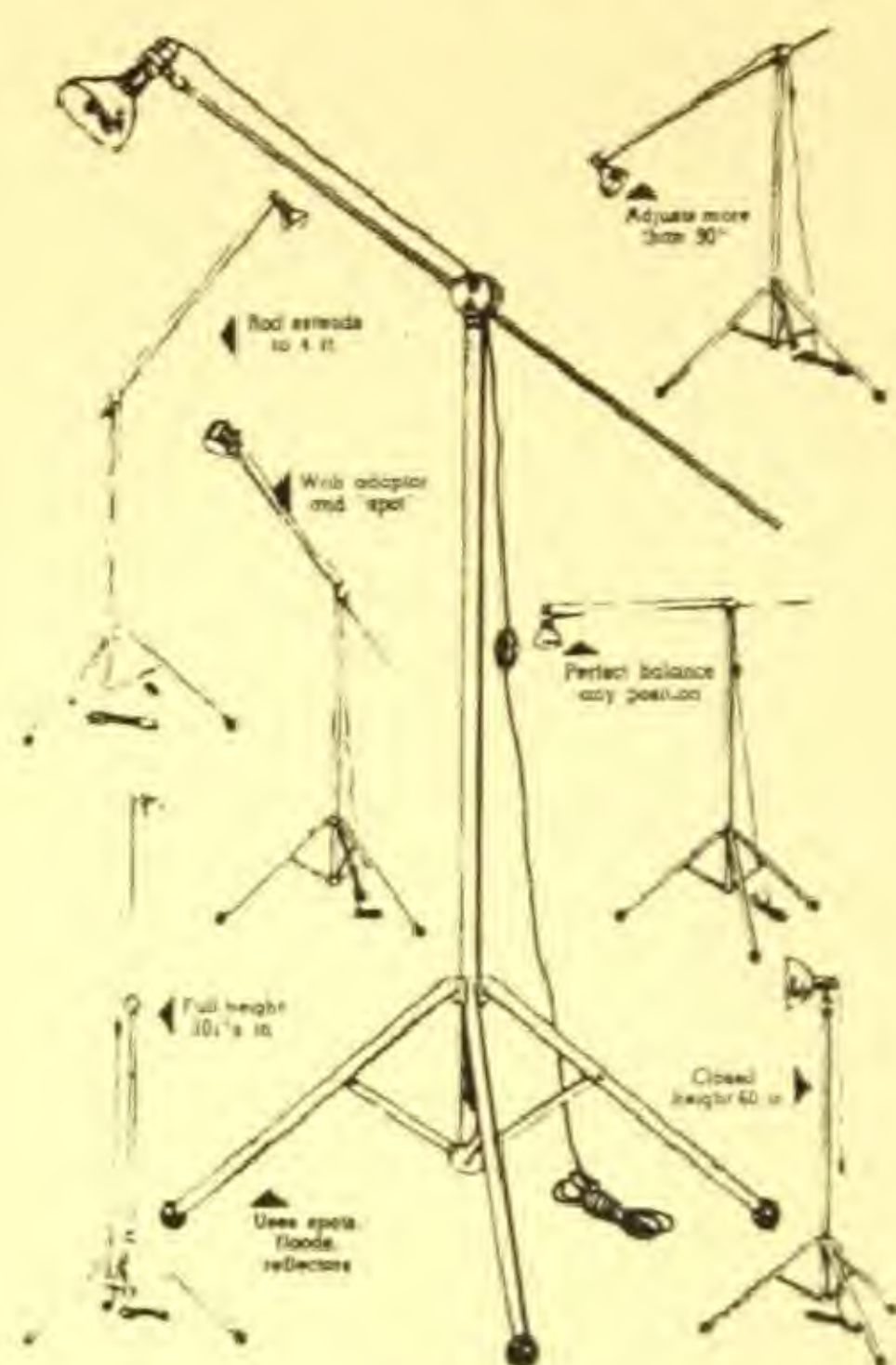


Convert your 4 x 5 press type camera into a superior enlarger with an ARISTO Cold Light Pack. Enjoy the benefits of light without heat, permitting the use of your finest lens with perfect safety. Achieve cleaner, faster, sharper prints at a saving in both time and money.

ARISTO'S new "Light Pack" is designed to fit your present 4 x 5 press type camera without special installation or adjustment. Complete with dustless negative carrier, it will convert your camera into a fine enlarger in a jiffy. It will produce enlargements with the quality of a contact print. Anyone can mount the ARISTO Cold Light Pack on his 4 x 5 camera in 2 minutes. ARISTO Cold Light Pack is official equipment on U. S. Camera tours.

ARISTO Cold Light Unit, adapter frame, diffuser element, glassless negative holder. Price \$38.75 tax included

BABY BOOM Utility Light



Here's the boom light specifically designed to meet the requirements of the home photographer! The new Baby Room Utility Light provides a flexible, mobile light unit at extremely low cost. Easy to handle readily adjustable, eliminates troublesome positioning of equipment. Boom rod, 4 feet long, is held in place by a pair of matched

teeth metal grippers, which form a ratchet type locking device to hold extension rod in positive locked position. A twist of the knob on grippers, and boom adjusts to an almost infinite variety of angles and heights, from vertical to more than 90 degrees. Extension rod is also adjustable vertically as well as horizontally. Light head may be turned in a 360° arc by use of smooth-operating swivel joint at base of light-head.

SPECIFICATIONS

Stand height: Closed—60 inches; Open—maximum 101½ inches

Horizontal reach: Retracted—6 inches; Extended—4 feet

Shipping Weight—10 pounds

BABY BOOM UTILITY LIGHT—Complete with standard 625 watt light socket, 20 feet of rubber cord, hanger hooks (to hold cord in place), and handy 2-way control switch. (Lamp not included.)

PRICE \$11.95

Fluorescent lighting for portraiture and illustrative work has many worthy features. Heat and glare are reduced to a comfortable minimum, electrical costs are reduced to a mere fraction—as compared to incandescent. The high actinic value of the Daylight fluorescent lamp is many times as effective photographically as incandescent of the same wattage—color temperature is 6500 degrees Kelvin closely balanced to the emulsions of outdoor color films. Fluorescent lighting in your studio will provide greater relaxation for your customers, enabling you to do better work.

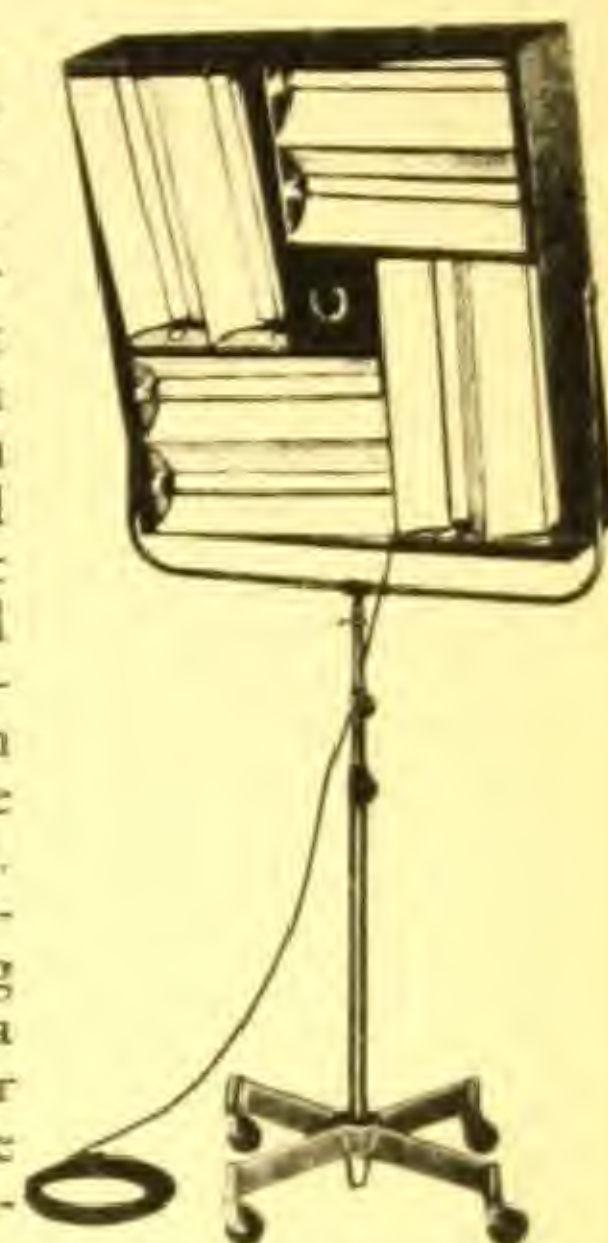
Octet 30 Fluorescent Ventlite Skilite—the finest fluorescent photographic unit made. Eight 6 by 36 inch Alzak aluminum reflectors arranged as illustrated provide extra up and down light coverage that is needed for full length figures and groups. Convenient switches control symmetrical groups of 30 watt lamps. Reflector cabinet contains lamp ballasts and is supported at



center of gravity on two friction swiveled carriages, which ride outside the two chromium plated tubular uprights; cables attached to these carriages pass over ball-bearing sheaves at top of uprights down to weights at travel in opposite direction inside the tubes. Effortless to use, the Octet 30 Ventlite will do the major lighting job effectively in any studio.

No. 3830—Octet 30 Fluorescent Ventlite Skilite with 20 ft. cord (without lamps) **Price 365.25**

Ventlite Modeler "8"—a fluorescent modeling light that faithfully duplicates the performance of the Studio Modeling Ventlite. Designed for eight 15-watt lamps, this unit provides for extra illumination so that the light intensities can be raised 40% above normal when desired. Reflector unit contains necessary ballasts and is supported at center of gravity by non-loosening friction brackets on sturdy yoke. Yoke attaches to special studio stand. Weight of reflector unit is carried by a compression spring inside the stand so that only a few ounces of pressure up or down are required to change adjustment. Reflectors are Alzak specular finish.



No. 3815 Ventlite Modeler "8" with 20 ft. cord (without lamps) **Price \$230.00**

Fluorescent Overhead Ventlites are made in two types, each with four 36 inch reflectors. Horizontal units have Alzak satin finish reflectors and provide general floodlighting. Vertical units have specular Alzak finish concentrating reflectors and are excellent for modeling groups. Both type units are supported on yokes by friction swivels mounted at the center of gravity. Swivel at top of yoke fits standard outlet box and permits rotating unit to any desired position. Four 30 watt fluorescent lamps are required for each unit.

No. 34300—Quad 30 Overhead Flood Ventlite (Horizontal) with 8 ft. cord (without lamps) **\$109.25**

No. 34360—Quad 30 Overhead Modeling Ventlite (Vertical) with 8 ft. cord (without lamps) **\$115.00**



Quad 30 Fluorescent Ventlite Skilite has four 6 by 36 inch flood type Alzak reflectors for 30 watt fluorescent lamps, an ideal floodlighting unit for small studios and where large groups are not to be made by fluorescent light alone. This unit, mounted at center of gravity with friction brackets, yoke and studio stand is easy to handle and requires a minimum of floor space.

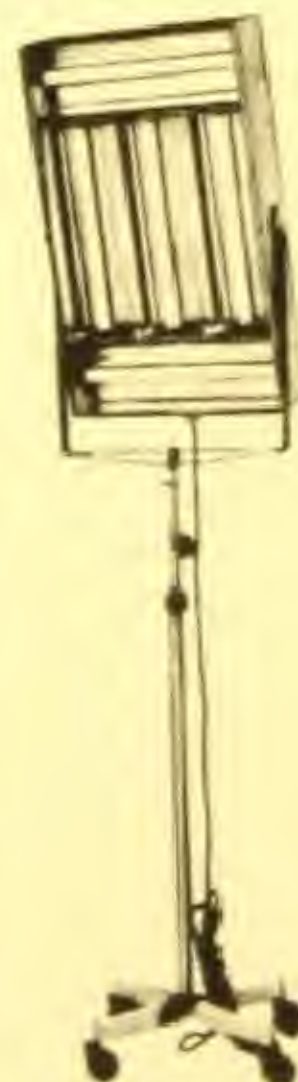
No. 3430—Quad 30 Fluorescent Ventlite Skilite with 20 ft. cord (without lamps)

Price 166.75

Quintet 15 Fluorescent Ventlite Skilite—this fluorescent unit accommodates five 15 watt fluorescent lamps and is an excellent auxiliary light for studios equipped with fluorescent lighting. Light source is 18 inches wide by 30 inches high giving desirable up and down light coverage. Ballasts are inside reflector unit which is supported at center of gravity with friction brackets on sturdy yoke. Equipped with Alzak reflectors. Studio stand has caster base.

No. 3515—Quintet 15 Fluorescent Ventlite Skilite with 20 ft. cord (without lamps)

Price 114.25



Eagle #1 Clamp-On Reflector

The Eagle #1 clamp-on reflector special with parabolic reflector, 10" diameter, 6" deep, spun of 20 gauge aluminum, etched inside, polished outside, double ball swivel, spring clamp with rubber covered jaws, 660 watt, 250 volt, push thru socket with heat-proof tips, 6 ft. of approved rubber wire, spring action cap.

PRICE \$2.00



**EAGLE NO. 2
CLAMP-ON REFLECTOR**

The Eagle #2 clamp-on reflector with parabolic reflector, 12" diameter, 8" deep, spun of 18 gauge aluminum, etched inside, polished outside. The reflector has a 2½" neck, corresponding to the neck of the No. 2 photoflood lamp, so that the head of the lamp is as the focal point of the parabola—one piece construction. New friction swivel with wide metal straps fitting around the neck of reflector instead of the socket, resulting in better balance. Nicked 660 watt, 250 volt push thru socket with heat-proof tips, 6 ft. of approved rubber wire, spring clamp with rubber covered jaws and spring action cap.

PRICE \$2.35

**NO. 1 ROYAL CLAMP REFLECTOR**

A small efficient reflector for No. 1 photofloods. It is 5" diameter and 6" deep, with polished exterior. Complete as illustrated, with clamp and ball swivel.

PRICE \$1.75

**NO. 2 ROYAL CLAMP REFLECTOR**

A small efficient reflector for No. 1 photofloods. It is 6" diameter and 7" deep, with polished exterior. Complete as illustrated, with clamp and ball swivel.

PRICE \$2.25

**HANDY FLASH PAN — Type K**

No storage battery or lighting circuits, but dry batteries with flash bulbs and 16 inch reflector for better pictures.

\$28.00 Tax Inc.

VICTOR Thrift SERIES

DESIGNED FOR EXCELLENT PERFORMANCE AT LOW PRICE

This series meets the demand for low priced and serviceable lights which can be used with both No. 1 and No. 2 Photoflood lamps with best possible results from either.

While Thrift reflectors incorporate the best in reflector design for dual-lamp use and excel in light output other reflectors of this same type now on the market, they do not equal in light efficiency the VICTOR Adapta-Lites designed for maximum results from each individual size of Photoflood lamps.

Reflectors have the same fine chemical frost-etch given all VICTOR reflectors for increased reflectivity and better light diffusion. Are made amply strong to insure long service.

Both Clamp-On and Stand types have proved extremely popular in the amateur market.



NO. 90

Specifications

REFLECTORS: 10½" diameter, 7¼" depth. Substantial gauge spun aluminum with chemically frost-etched interior and exterior.

SWIVEL ASSEMBLY: Incorporates new improved VICTOR sure-grip collars with wing nut attachment. Twin Units have round etched aluminum cross arm with reflectors swiveling on the ends of arm.

CORD AND SOCKET ASSEMBLY: 6' approved rubber cord with rubber plug. 660-watt, nickel-plated sockets with heat-proof, push-thru switch.

MOUNTING: Clamp-On units have large, nickel-plated spring clamp with rubber-covered grips. Stand Units have a fine appearing, excellently constructed, cadmium-plated, VICTOR 2-section stand with black legs, giving a 6½' elevation.

No. 90 — THRIFT CLAMP-ON UNIT—complete with reflector, cord, and clamp assembly **1.96**

No. 910 — THRIFT SINGLE STAND UNIT—complete with reflector, cord, swivel assembly and No. S2X Stand **3.96**

No. 920 — THRIFT TWIN STAND UNIT—complete with two reflectors, cords, cross arm and swivel assemblies, and No. S2X Stand **6.00**

EAGLE LAMP SOCKET ADAPTER

The Eagle Lamp Socket Adapter makes the new No. 5 Photoflash lamp available to your present equipment. Just screw the adapter into the lamp socket and then insert the new bulb. Bulbs may be inserted and replaced at will without disturbing the adapter.



No. 1

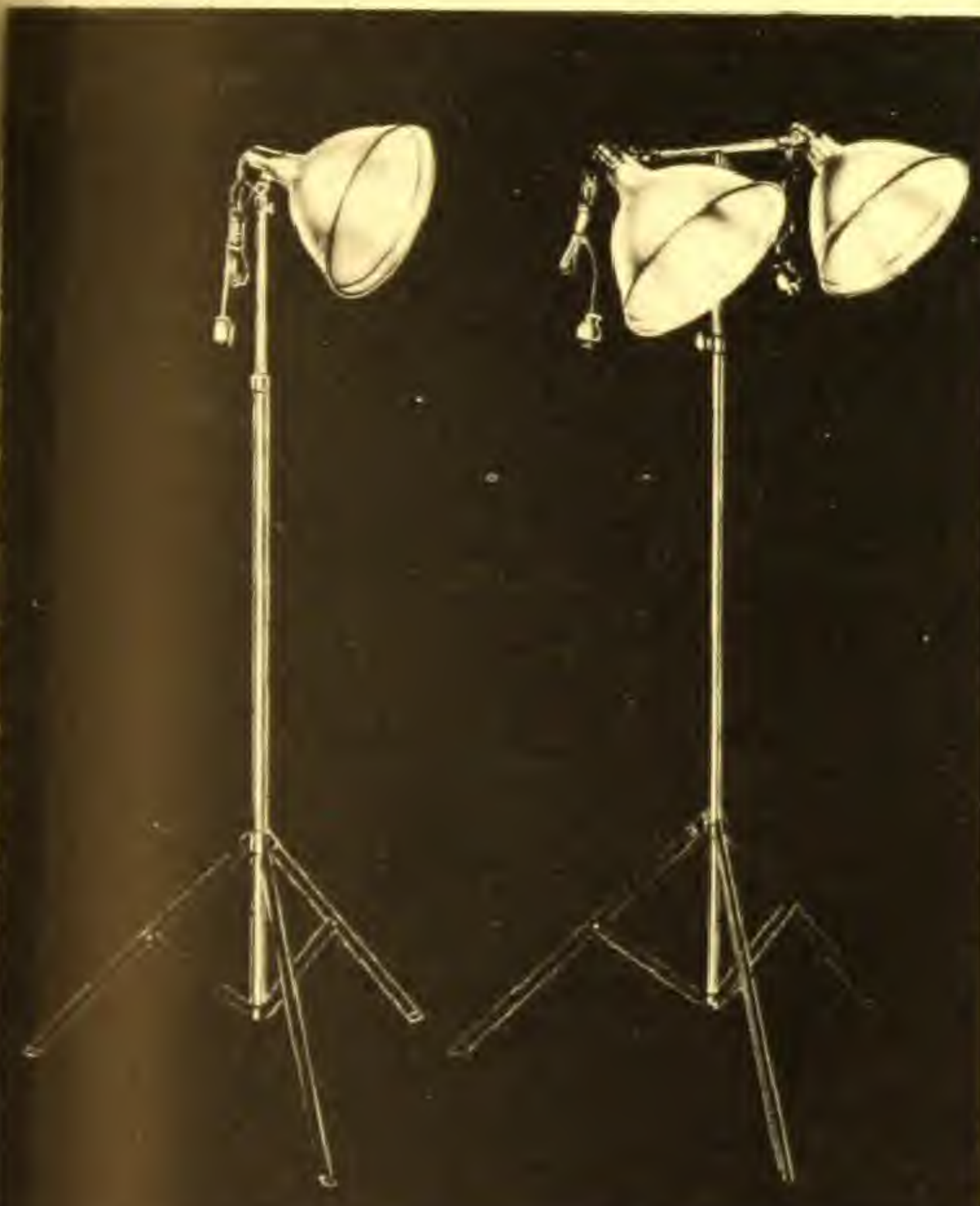


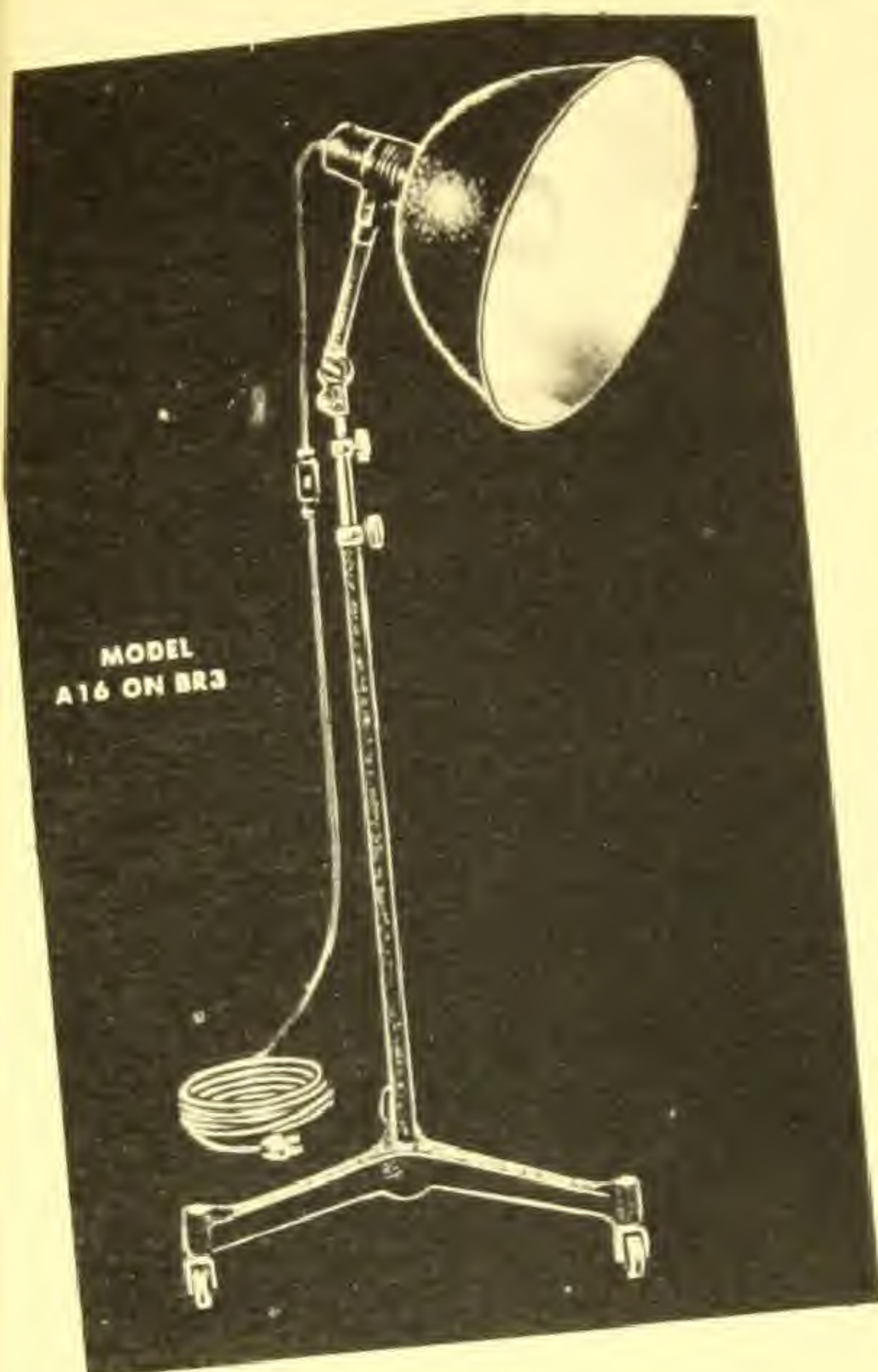
No. 2

- | | | |
|-------|--|--------|
| No. 1 | Adapter for use when replacing Press 40M and No. 11 bulbs—Each | \$.50 |
| No. 2 | Adapter for use when replacing No. 22 bulbs—Each | .60 |

NO. 910

NO. 920





MODEL
A16 ON BR3

VICTOR

Professional ADAPTA-LITES

FOR . . . COMMERCIAL USE . . . STUDIO PHOTOGRAPHY . . .
INDOOR MOVIES . . . COLOR PHOTOGRAPHY

These popular lights provide intense light of uniform quality for portrait, commercial or illustrative photography. Ideal too, for indoor movie work in black-and-white or color. Built with precision and care, they are an excellent value for long, constant usage.

The large reflectors are correctly designed for maximum strength and even distribution of light. Their fine grain, chemically frost-etched interiors are neutral in color . . . do not upset spectral components of the light, and greatly increase the intensity and uniformity of the light directed on subjects. Reflectors detach from hood by quick-take-up threads; nest compactly for carrying.

These VICTOR Units are expertly designed for No. 4 Photo-flood lamps, however, a P.S. 500-watt K 3200° lamp may be used for professional color film. 16" reflectors give a somewhat concentrated light for modeling; 18" offer a broader spread for group or interior work. Both are inter-changeable in the hood assembly.

Specifications

REFLECTORS: Heavy gauge, spun aluminum with chemically frost-etched interior and black crystal enamel exterior

HOOD ASSEMBLY: Mogul porcelain socket in black enameled hood mounted on cast arm with toothed swing joint for vertical adjustment. Reflector attaches to hood by quick-take-up threads.

CORD: 15' approved No. 16 round rubber-covered cord with 10-amp Gaynor feed-thru switch.

No. A16—with 16" dia. refl. of 10½" depth (for modeling purposes) Weighs 8 lbs. 4 oz.

Price 15.90

No. A18—with 18" dia. refl. of 9" depth (for 45° coverage) Weighs 8 lbs. 13 oz.

Price 15.90

BR3 Stand Price \$19.12 extra

S3 Stand Price 4.08 extra



EAGLE EXTENSION CORD

For the purpose of connecting up several pieces of lighting equipment on the same circuit we have had made up these ready prepared extension cords which contain 25 feet of approved wire with triple outlet block allowing three different units to be plugged in from a distant outlet.

No. 1—25 feet. \$2.00
No. 2—20 feet. 80



MODEL
A18 ON S3

Perfect Pictures Every Time Using

COMMERCIAL DEVELOPMENT
WITH ANY DESIRED FILM.

THRIFT-LITE OFFERS A BRAND NEW KIND OF TRULY DESIRABLE PHOTOGRAPHIC LIGHT. POWERFUL--THE THRIFT-LITE DELIVERS AN ABUNDANCE OF LIGHT ENERGY TO MAKE YOUR EXPOSURES AND REQUIRES NO SPECIAL TECHNIQUE. OVERDEVELOPMENT OR THE USE OF SPECIAL FILM TYPES IS UNNECESSARY. SAFE--ELIMINATION OF THE HIGH VOLTAGES COMMON TO STROBE EQUIPMENT PREVENTS BREAKDOWN FAILURES AND SHOCK HAZARD. DEPENDABLE--DESIGNED AND CONSTRUCTED WITH NO MOVING PARTS OR ADJUSTMENTS IS YOUR ASSURANCE THAT THE THRIFT-LITE WILL BE A FAITHFUL PERFORMER OVER YEARS OF RUGGED USE.



LIGHTING EQUIPMENT

FOTOLITES



Fotolites are designed to give the most light for current consumed. Heavy gauge aluminum, polished outside, satin finished interiors that eliminate "hot spots" and concentrate an evenly diffused light within the camera areas. All reflectors mounted on 3 section stands which can be elevated to 8 ft.

- No. 121/3 with corrugated reflector 11" dia. x 7" deep \$7.35
- No. 124/3 with parabolic reflectors (as illustrated) 10 1/2" dia. x 6 1/2" deep \$7.10
- No. 125/3 with parabolic reflectors (as illustrated) 12" dia. x 8" deep \$8.00

MODEL No. 206 SUNRAY LAMP

For No. 1 or No. 2 Photofloods or a 500 watt T-20 Bulb. An excellent all around useful light. Equipped with an adjustable porcelain socket which allows for the centering of filaments of the bulb, 15 ft. of wire and plug, and heavy duty switch.

Made of aluminum, Brown Wrinkle outside, satin finish interior. Diameter 10 1/2 inches, depth 5 inches.

- No. 206 Lamp only--Tax included \$11.50
- Diffusing Screen, slip-on type, Tax included 3.18
- No. 1X Tripod Stand for above--Tax included 6.25

MODEL No. 105 SUNRAY LAMP

For No. 1 Photofloods or a 500 watt T-20 bulb. Made of aluminum, brown wrinkle finish outside, satin finish interior. Diameter 8 1/2", depth 5". Has two-way adjustable side shields, universal arm, porcelain socket, 15 ft. of cord and switch.

- No. 105 Sunray Lamp with side shields. Tax included \$10.60
- No. 1X Tripod Stand for above. Tax included 6.25



Model No. 206
Carrying case as
illustrated not
available



The HANDILITE

Will fit all standard 8 mm. 16mm. movie cameras and all still cameras.

All Aluminum with Red Catalyn handle.

Light, rigid, can be put on any tripod or carried by hand.

Approved UL cord and feed thru switch.

Price \$4.95

FLEXO LITE REFLECTOR

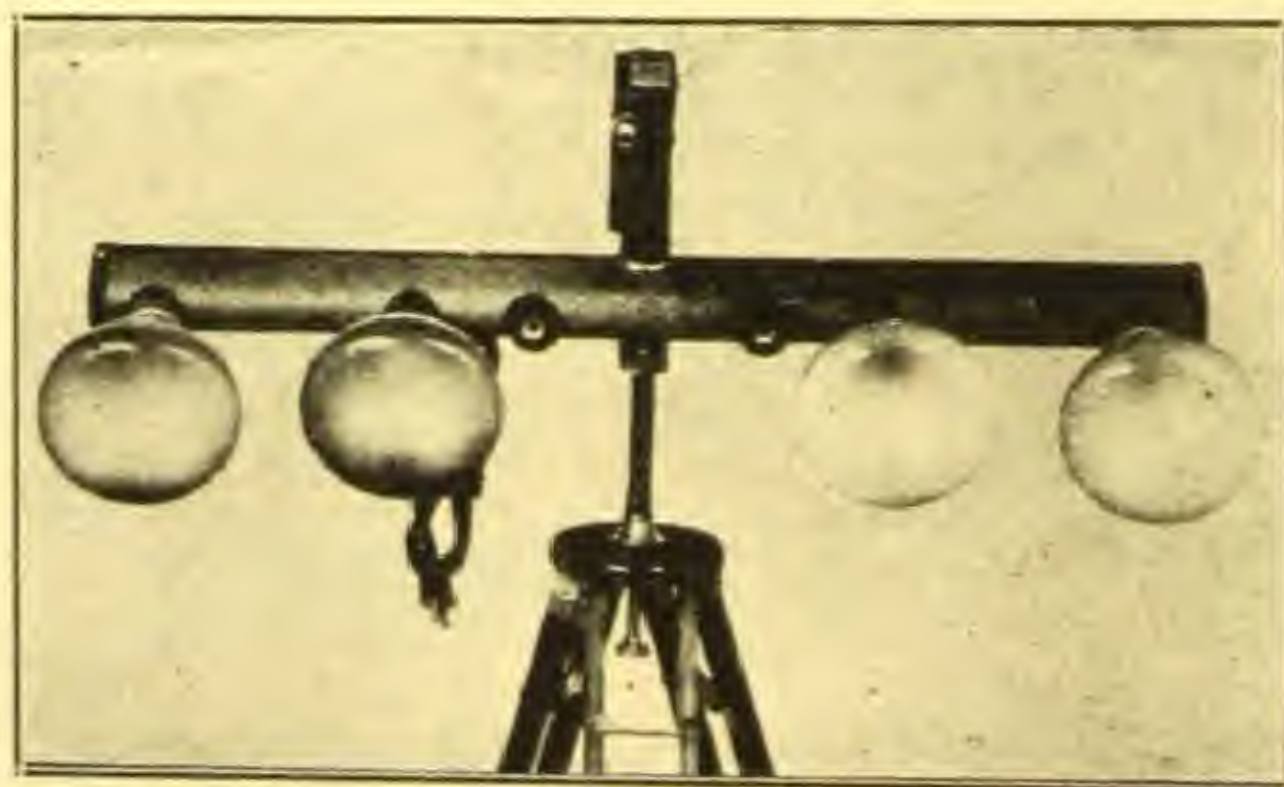


Knowing camera fans all over the country acclaim the versatility of the new two-unit Flexo Lite. Equipped with a permanent mount for attachment to home movie and still cameras, Flexo Lite fits any camera, tripod, or light stand—yet it folds easily into a gadget bag. Each light can be turned independently to all possible positions. Follows action easily with use of attached handle. Ideal for Kodachrome work, copying and titling.

**VERSATILE
CONVENIENT
COMPACT**

Attractively finished in nickel and black and equipped with a six-foot heavy duty light cord fully approved by the Underwriters Laboratories.

Price \$9.95



Multi-Lite

Multi-Lite is one of the most distinctive and important advancements in the field of photographic lighting. It incorporates in one unit four lights for home movies and still photography. It is lightweight and portable. Recommended for copying, titling and general indoor photography.

Attractively finished in brown baked-on enamel wrinkle with ebony and gold handle.

Price for Flexo-Lite or Multi-Lite \$9.95 each

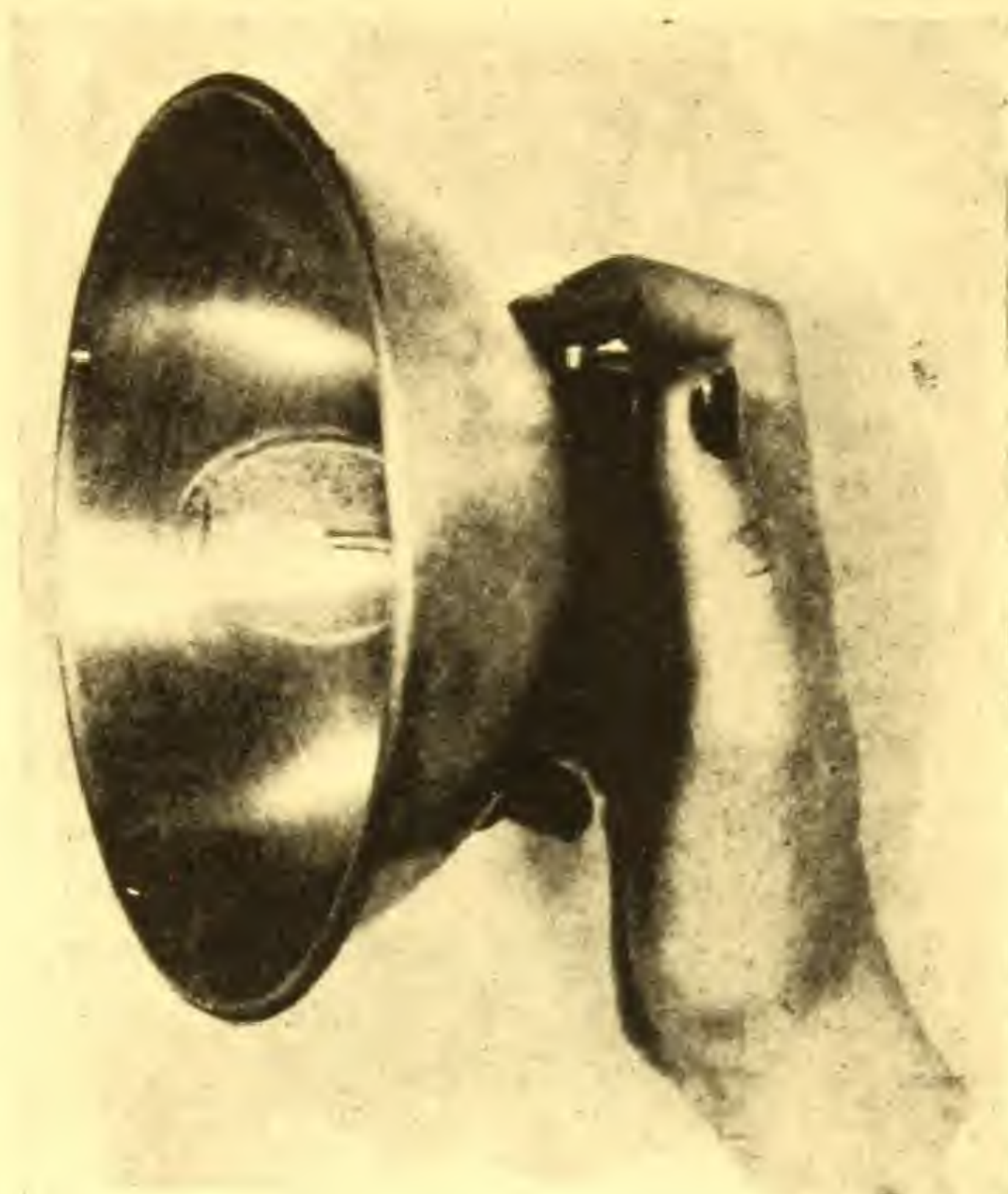
BATTERY HAND FLASH REFLECTOR

Aluminum reflector is scratch brush finished. Phosphor bronze and beryllium copper contacts. Molded Bakelite battery box. Designed to fit comfortably into the hand. Accurate aiming guaranteed! Positive in action!

PRICE

\$2.50+28c. tax

2 Batteries extra 15c. each



EMSCO LIGHT STANDS (FOR REFLECTORS)

Substantial three section light stand. Extends to 7½ ft. Closes to 26 in. Legs and lower section of stand black metal finish—balance cadmium plated. Weight 3½ lbs.

Price \$4.50

Standolier Light Stand

An excellent quality 4 section light stand. Measures 27 when closed—Extends to 7½ft. Legs black metal finish, balance of stand satin finish nickel seamless steel tubing. Weight 4¼ lbs.

Price \$5.00





THE BABY KEG-LITE

The 500-750 watt Baby Keg-Lite, one of the most widely used photographic lights in the Bardwell & McAlister line, is a light-weight all-purpose Spot. It is not just another Spot. The amazing features of this optically correct light have proven it to be a "must" among ace photographers as it is used by the majority of the Hollywood and New York portrait studios.

It is excellent as a modeling light, back light or background light. The intense filament-free light delivered by the Baby Keg-Lite gives perfect rendition of tone in either black and white or color photography.

With the Baby Keg-Lite one can cast sharp, hard shadows or obtain a soft even light. The size of the spot can be varied from spot to flood by a patented focusing device with calibrated scale reading.

OPTICS

Finger-tip touch on patented focusing lever focuses light from 4° filament-free spot to a 50° flood. At 10 feet on full flood, light circle is 9 feet in diameter.

STANDARD EQUIPMENT

Durably built of steel, well ventilated for coolness and longer globe life. Door in rear gives easy access for globe changes—a feature of all Bardwell & McAlister equipment. Attractive, heat-hardened grey crackled enamel. Each unit is equipped with 25 feet of rubber covered cable with standard house plug.

STAND

Well-built double rise stand which can be extended from 4'1" to 9' is included. Legs can be folded for easy storage or transfer.

GLOBES

G.E. Medium Bi-post, 500-750 watts, 4.4 to 6.5 amps at 115 volts.

Net weight head, 11½ lbs.; stand, 5½ lbs.

Fed. Ex. Tax

Baby Keg-Lite, Head and Stand.....	69.00	9.00
Head only	57.50	7.50
Stand only	16.50	

STANDARD PORTRAIT LIGHTING CHART

JUST WHAT YOU HAVE BEEN WAITING FOR



15 Popular Lighting Arrangements at a Glance, 45° Lighting
45° with Backlight
Dark Mass Profile
Shadow Lighting
Top Front
Low Key
High Key
A Comprehensive Digest of Portrait Lighting Information
Rembrandt
Dramatic Lighting
Double Back Lighting
Dark Line Profile
Light Line Profile
Modified Light Line
Silhouette
Rembrandt with Backlight

Portrait lighting illustrated with photos and working diagrams. A comprehensive digest of lighting information that enables the amateur to secure professional results. PRICE \$7.75

BOES DAYLIGHT 35 MM FILM LOADER



Daylight Film Winder \$10.95
(Tax included)

The Boes Daylight Film Loader provides safe and convenient daylight loading of 35mm cassettes. The device is so designed that the film emulsion in the picture taking area of the film does not touch any part of the Daylight Loader at any time during the loading. This eliminates scratches, dust and fingerprints.

The Daylight Winder can be used to reload any standard type cassette, Eastman, Dupont, Anaco, as well as the special Cassettes of Leica and Contax. Load as many frames as you like. The automatic counter tells you exactly how many frames you have loaded.

THE LUXOMETER

SCIENTIFIC — ACCURATE

Completely Automatic Control of Exposure, Lights and Shutter
BETTER WORK — INCREASED PRODUCTION —
LOWER COST



Why you USE a LUXOMETER

On a camera, it assures accurate exposures. The same uniformity of exposures is also scientifically controlled in the printing of offset plates or photo-engraving plates. On step-and-repeat work, it will likewise produce uniform exposures throughout the entire press plate. In color work, it eliminates long hours of experimentation by producing separation negatives that are precisely uniform.

Why you NEED a LUXOMETER

By eliminating every element of guesswork and using a recognized scientific instrument, you have time, labor, materials and money on every exposure. With the LUXOMETER there is no need for corrective methods known to the trade as "working up a negative in the sink", cottoning of offset and photoengraving plates, re-etching, etc. With the LUXOMETER, you KNOW that your exposure will always be accurate.

NOTE THESE FEATURES

- EASILY INSTALLED — Various components are plug-connected.
- TROUBLE-FREE OPERATION — Assured by electronic integrating circuit resigned with ample safety factor.
- SAFETY FEATURE — For power failure; no spoilage of material; automatically closes shutter, turns out lights. Exposure resumed by pressing button.
- FINE SETTINGS assured. Operates 7 escapements per division. 1400 around the dial.
- WIDE RANGE of sensitivity . . . long or short exposures of practically any duration.
- IDENTICAL REPEAT EXPOSURES — rapidly obtained by repeat mechanism which facilitates rapid resetting of the pointer.
- OPERATES LAMP CONTRACTOR of any size, current, and voltage by means of built-in relay with amply rated contacts.

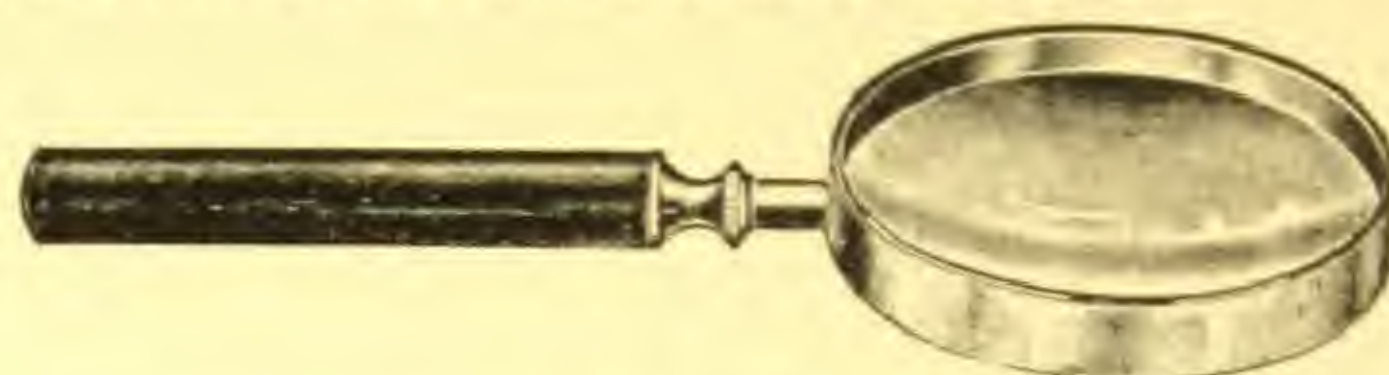
Write about Free Demonstration in Your Plant.

Booklet on Request.

Price \$450.00

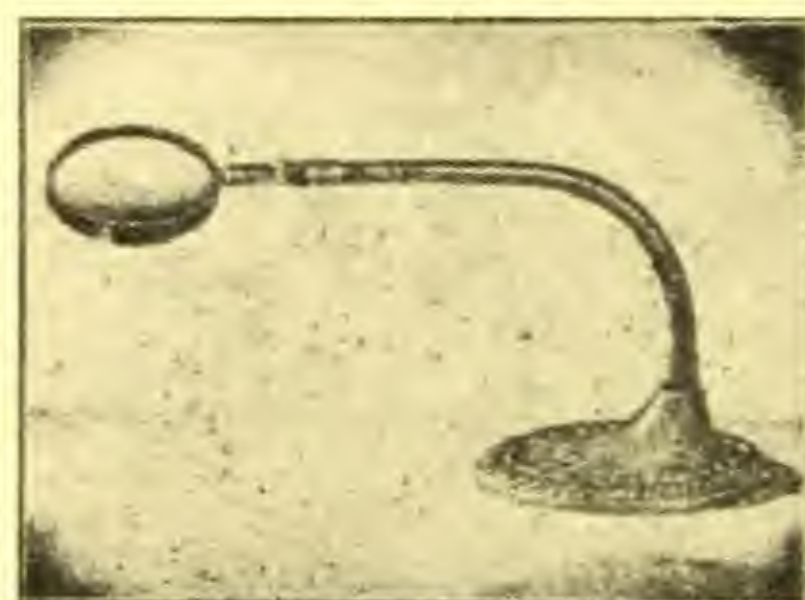
EAGLE FOCUSING AND RETOUCHING MAGNIFIERS

The large field of view and magnifying power particularly adapt these Lenses for this class of work. The Lenses are carefully ground and the mountings are neat and durable with nicked rim and ebonized wood handle.



Diameter Inches	Price	Diameter Inches	Price
2	\$1.25	3½	\$2.00
2½	1.35	4	2.75
3	1.85	4½	3.75

EAGLE MAGNIFYING GLASS AND HOLDER

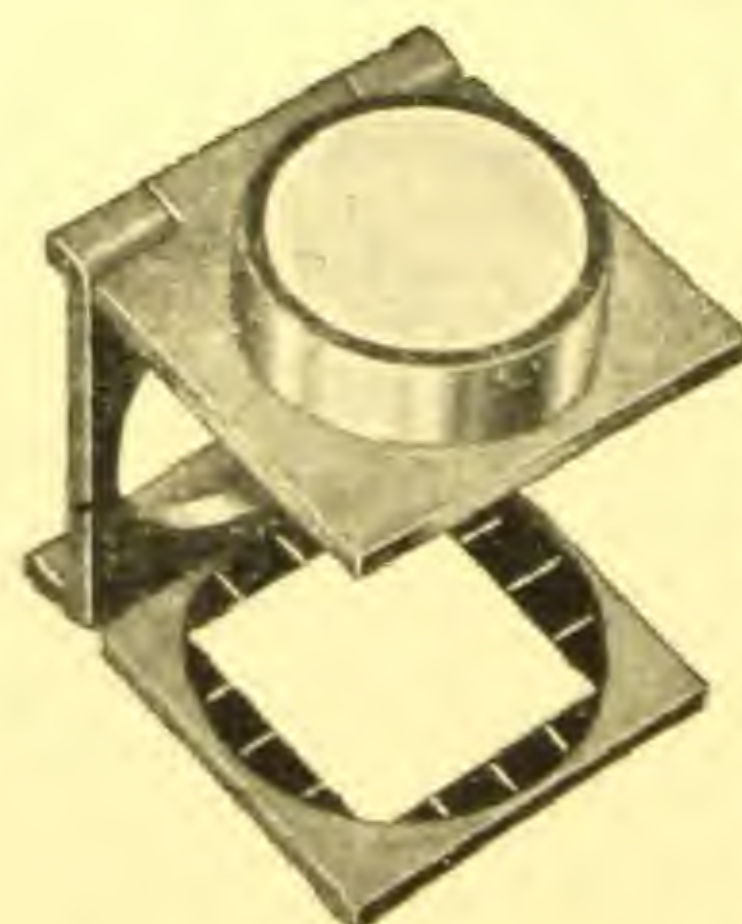


It is equipped with a black crystal base, 12 in. flexible arm.

Optically ground and polished lens with approximately 3X magnification. Ball swivel permits lens to be turned in any direction.

3 "	\$5.00
3½ "	5.40
4 "	6.00
4½ "	7.00

BRASS LINEN TESTERS (Magnifier)



These pocket magnifiers were originally designed for textile examination of cloth counts and weaves. However, it is really an all-purpose magnifying glass that is now being used by printers, engravers, stamp collectors and fingerprint experts.

It is a fixed focus magnifier, making adjustment unnecessary, and when unfolded is ready for use.



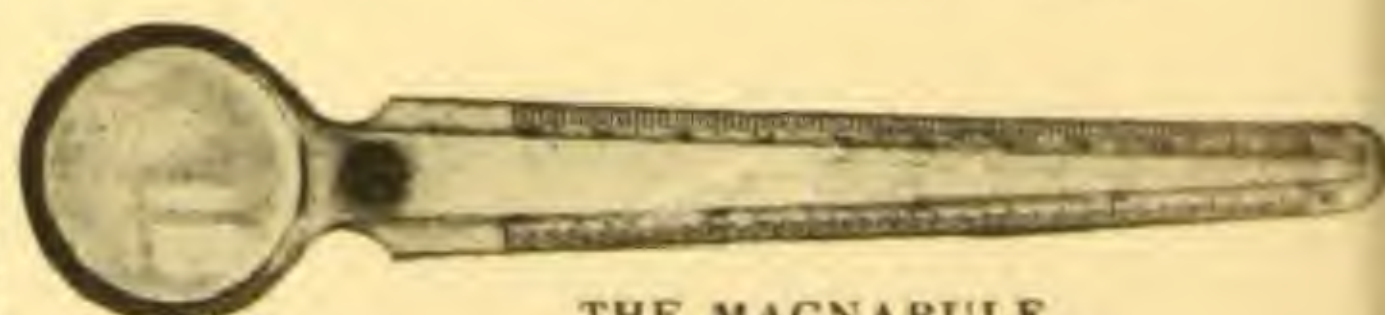
No. 500—1" aplanatic magnifier, 5X optical system consisting of two plano convex lens which affords a large field of view and clear definition. The 1" square opening has engraved ¼" graduations

Price \$6.00

No. 350 Brass finish—½" bi convex lens ½" square opening, packed in cardboard box. Price \$4.00

THE MAGNARULE

Of the utmost convenience is the Magnarule, a magnifier equipped with a handle marked to measure inches and millimeters. To slit the uncut pages of new books and to open letters, as well as to act as rule and magnifier, are some of its uses. Price.....\$1.00



THE MAGNARULE



EAGLE TRIPOD FOCUSING MAGNIFIER

This is a first-class focusing glass as well as a good microscope of moderate power. Having a high magnifying power, they are a most handy and convenient aid in ascertaining a very sharp focus. Three-legged, with screw adjustment.

No. 2 R. Diameter, 1 in.\$1.00.....



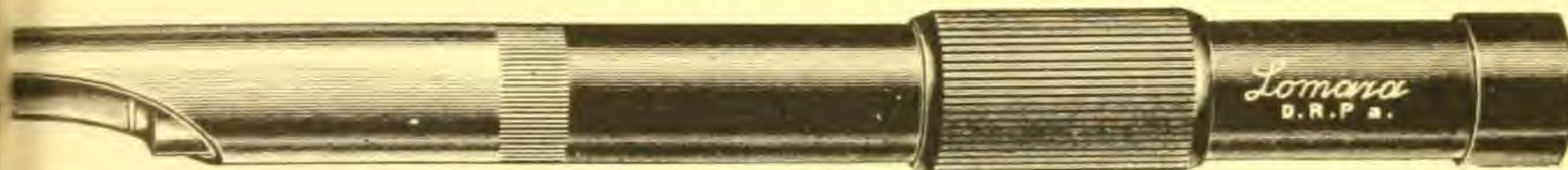
ENGRAVERS' MAGNIFYING GLASS NO. 146

Designed for engravers, carvers and die cutters; also very useful for biological work and retouching because of their large clear field. They are also used as condensing lenses. Made with two plano convex lenses—giving flatter field and better image than one lens.

Lens diameter, 1 5/8 in., power, 3.5x\$3.60

LOMARA POCKET MAGNIFIER

Concentrated Power of Vision 15x to 50x



The "Lomara" embodies in a most compact and convenient form a microscope of substantial magnifying power which may be carried in the vest pocket just like a pencil.

The regular optical equipment, consisting of two achromatic objectives and the achromatic eye piece, furnishes variable magnifications of about 15-25-40 and 50 times, depending on the use of either one or both objectives. With this magnification the microscope pencil can be conveniently used as a hand-held instrument for surface observations by reflected or transmitted light.

Lomara Pocket Microscope (15 to 50x)\$ 21.00

HAMPDEN

Photographic Make-Up

Easy to use. It's perfect for the purpose.



Facial imperfections are easily hidden with Hampden's Make-up—imperfections that special lighting and ordinary street make up cannot hide. With Hampden's Make-up bad features can be subdued and good points highlighted. In short it gives the subject a beautiful, flattering, moviestar appearance and glamor.

Complete Kit contains 3 boxes of powder, in different shades, powder puff, 6 shades of Make-up lipstick and eye brow pencil, with

\$2.50

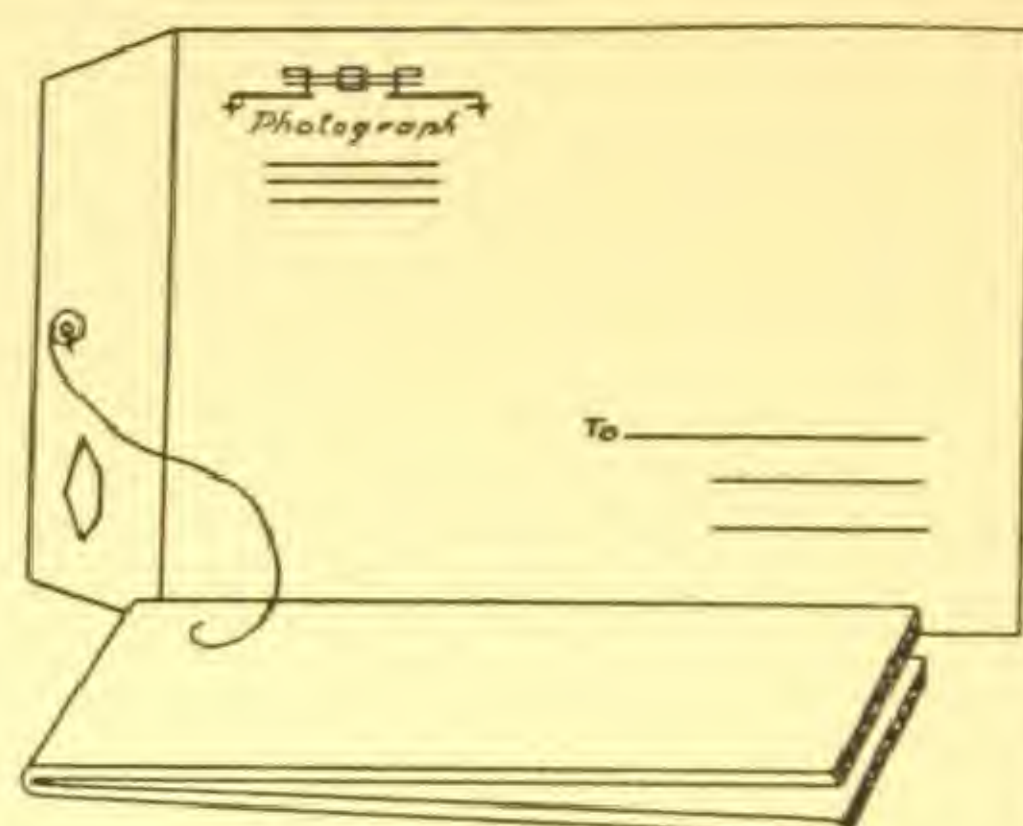


PHOTO MAILERS

Double Board insert Kraft
envelope with string
and button fastener

The envelope of this photomailer is made of heavy Kraft stock open end ungummed flaps with tension string and button attachment.

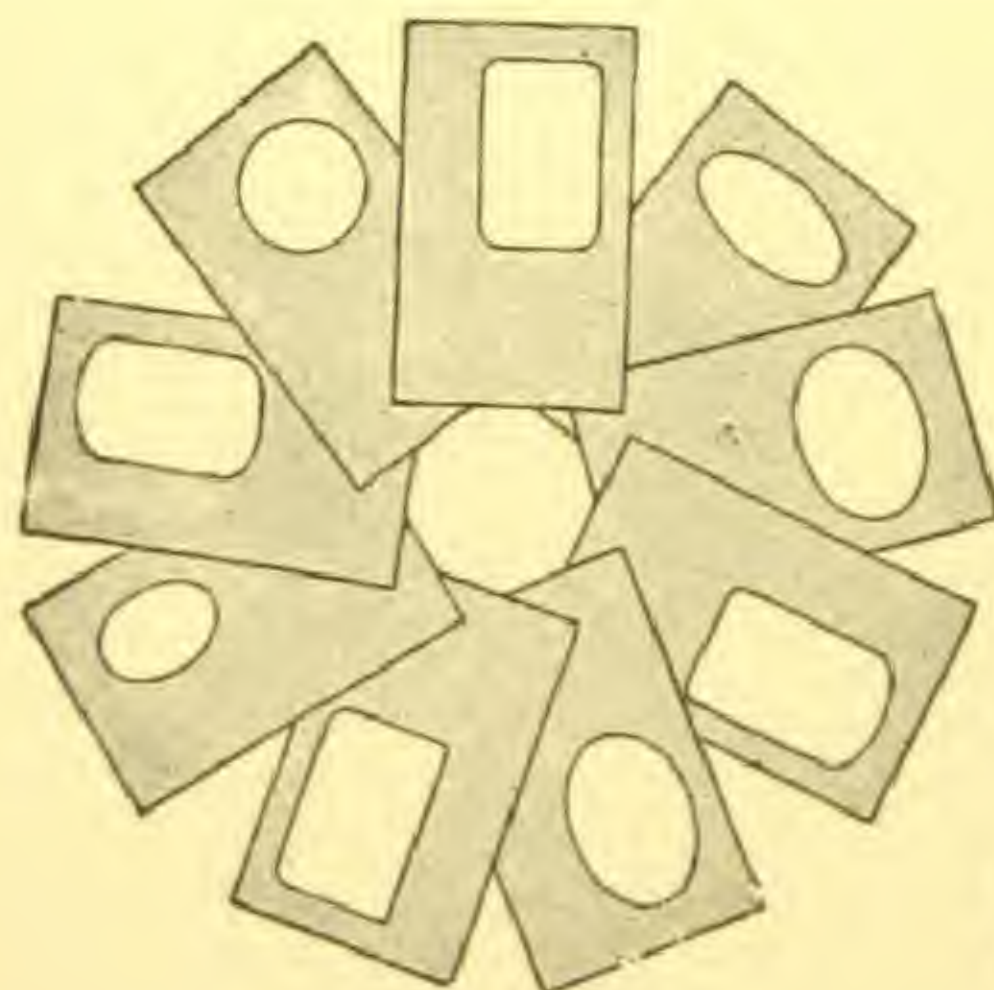
Inside the envelope is a double strong board, which is ample protection against breakage for photographs, drawings, etc., which are protected both front and back by the double board.

		Each	Dozen	100
57	5½ x 7½	\$.05	\$.55	\$3.75
69	6½ x 9½	.12	1.35	11.50
711	7¼ x 11	.12	1.35	10.50
810	8¾ x 10¾	.08	.90	6.75
912	9 x 12	.12	1.25	10.75
1013	10 x 13	.15	1.50	13.35
1114	11½ x 14½	.15	1.80	13.75
1215	12 x 15½	.20	2.25	17.25
	14 x 16	.20	2.25	17.25
1721	17 x 21	.35	4.00	31.50

EAGLE KRAFT MAILING ENVELOPES

500 IN BOX. OPEN END. KRAFT

	Per 100	Per 1000
4⅞ x 6¼	\$0.65	\$5.35
5½ x 7½	0.80	7.50
8½ x 10½	1.45	13.15
10½ x 12½	3.35	22.00
11½ x 14½	2.35	22.00



ROYAL PRINTING MASKS

They give a finished effect which cannot be obtained otherwise. Made for all sizes of cameras. Assorted designs, oval and squares (10 in package).

No.	Prices, per Package
2.—Vest Pocket, 1⅝x2¼	\$0.15
2A. 2¼x2¼	.15
4. 3¼x4¼	.15
8. 2¼x4¼	.15
10. 3¼x5½	.15
12. 4 x5	.15
12A. 5x7	.15

SPURR'S CELLULOID MEZZO PRINTING MASKS

These plates are glossy on one side, with matt surface on the other. When placed in the printer frame between the negative and the paper they have the property of softening contrast and correcting minor blemishes in the negative. It is not necessary to retouch negatives that are to be printed with these Mezzo plates.

3¼ x 4¼.....each, \$0.10.....per dozen, \$1.10	8 x10 .....each, \$0.40.....per dozen, \$4.80
5 x 7 .....each, .20.....per dozen, 2.00	11 x14 .....each, .75.....per dozen, 7.50
6½ x 8½.....each .30.....per dozen, 3.00	

The Noslip Printing Mask is the latest improvement in print-in masks. It does away entirely with the slipping of the negative when placing the paper in position in the printing frame which frequently occurs with all of the old-style masks. It does away with all bad and ill-shaped edges, leaving a neat, even white border all around the print. This mask has pockets in the four corners into which the film is slipped. Full directions with each set of masks. Each set consists of three masks, one for postcards, and one each with oval and square opening the size of the negative film.

NOSLIP PRINTING MASK

Patented
FOR PRINTING FILM NEGATIVES



PRICES—(Per set)

No.	For	Price
3 1/4 x 5 1/225

EASTMAN MASK CHARTS

These charts provide the picture taker with the means of cutting out his own printing masks. Limits of any mask desired are quickly determined by means of imprinted horizontal and vertical lines, and by scales marked in inches on each sheet. The mask is then cut out with a knife.

Eastman Mask Charts, 5x7 inches, per dozen	.....	\$0.15
Eastman Mask Charts, 8x10 inches, per dozen	.....	.30
Eastman Mask Charts, 11x14 inches, per dozen	.....	.50

CHRISTMAS GREETING CARD

FILM MASKS



301



160



309

Have fun making your own personal greeting cards. Nothing complicated, if you can make a contact print, you can make attractive cards with this outfit. Uses the standard 4 1/2 x 5 1/2 size paper.

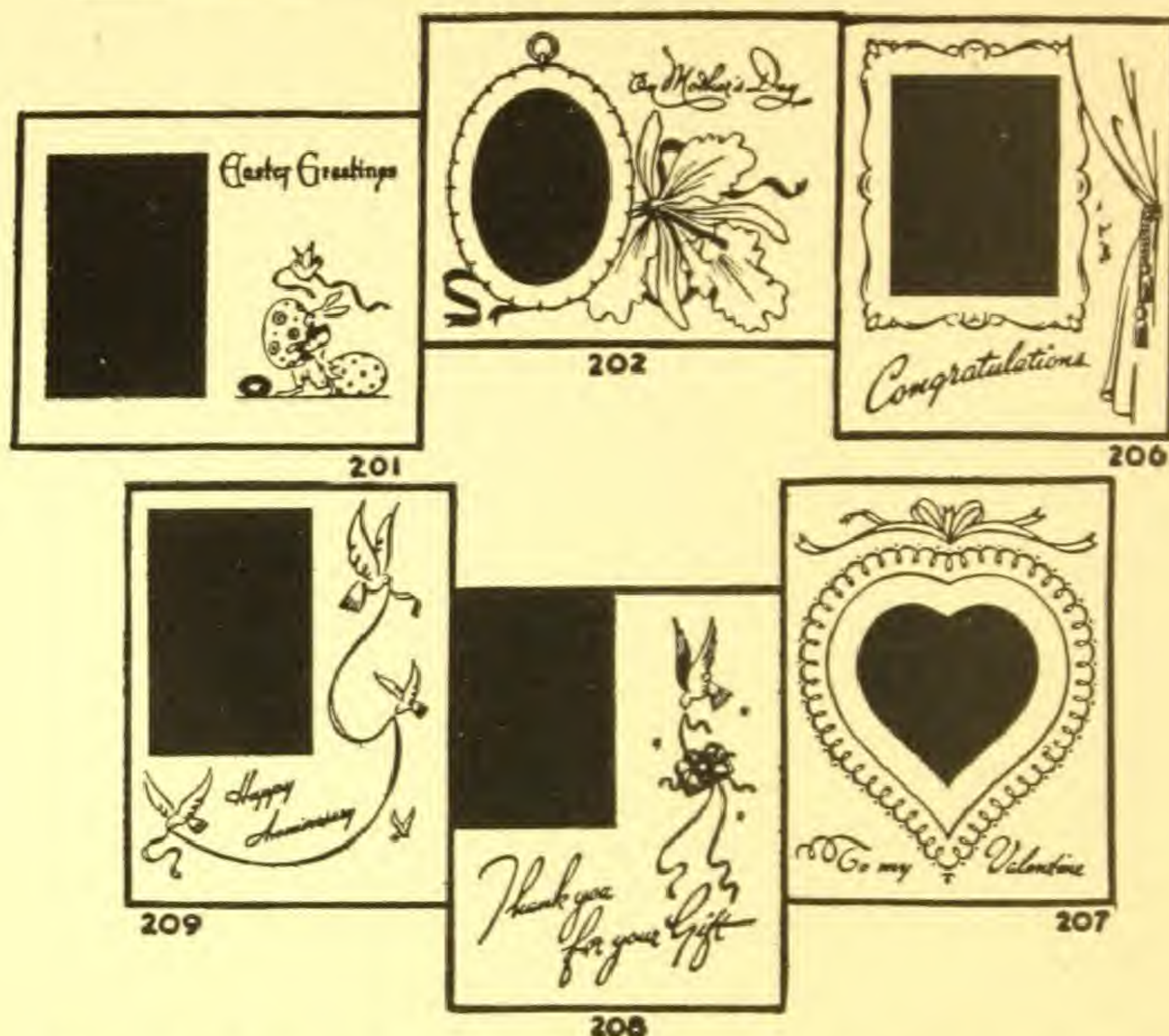
GREETING CARD FILM MASKS CHRISTMAS

- 160—Merry Christmas And Happy New Year
- 301—Wishing You A Merry Christmas
- 309—Season's Greetings

Individual Masks Each \$1.00

Specify number of mask when ordering

GREETING CARD FILM OUTFIT



Have fun making your own personal greeting cards. Nothing complicated, if you can make a contact print, you can make attractive cards with this outfit. Uses the standard $4\frac{1}{2} \times 5\frac{1}{2}$ size paper.

GREETING CARD FILM OUTFITS

- | | |
|-----------------------------------|-----------------------------|
| 201—Easter Greetings | 207—To My Valentine |
| 202—Mother's Day | 208—Thank You For Your Gift |
| 206—Congratulations | 209—Happy Anniversary |
| 301—Wishing You A Merry Christmas | |
| 305—Merry Christmas | |
| 309—Season's Greetings | |

Individual Masks Each \$1.00

Specify number of mask when ordering

AZO FOR GREETING CARDS

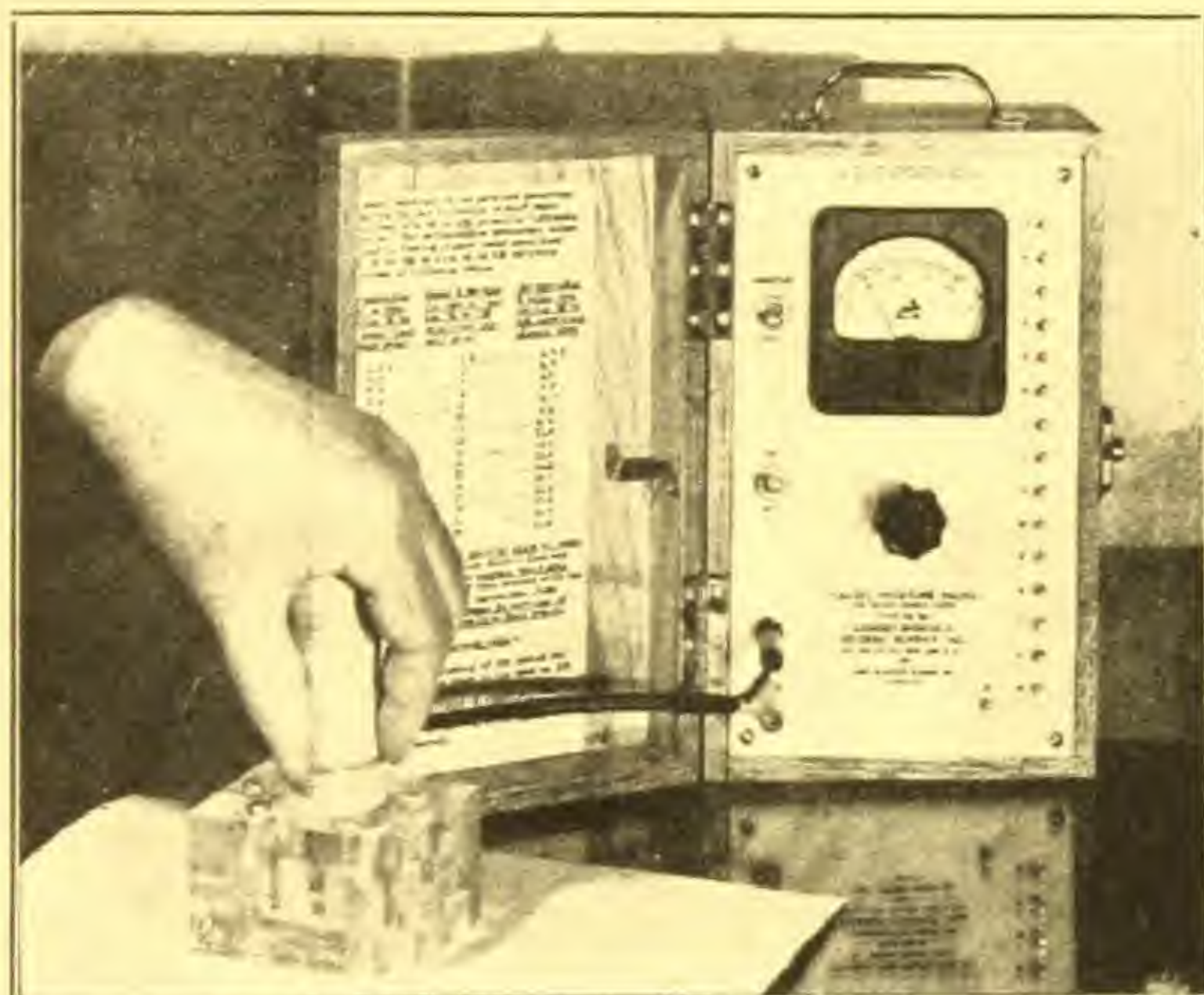
AZO-E, White, Semi-Matte, D.W. Contrasts, 0, 1, 2, 3, 4, 5.

4¼ x 5½ — 25 sheets \$.60	100 sheets \$1.84
500 sheet pkg.	\$7.44

AZO-E supplied either **straight** or **deckle edge**, straight edge will be sent unless otherwise specified.

White Envelopes, unlined	\$0.90 per 100
Embossing Tool	\$1.25

THE KAYDEL MOISTURE GAUGE (For Pigment Paper)



It is a wellknown fact that the sensitivity to light and the gradation of carbon tissue is subject to considerable variations, principally in the temperature, the properties of the Bichromate Solution, the time taken in drying, the period for which the sensitized carbon tissue has been kept and the degree of moisture of carbon tissue. If the work is properly organized, all these factors can be fairly accurately stabilized, with the exception of the degree of moisture of the carbon tissue, which so far had to be estimated by the moisture content in the atmosphere and the flexibility of the carbon tissue. Inasmuch as all estimates vary according to individual opinion, they cannot be considered positive or exact. However, the extent to which the degree of moisture which in the past was merely estimated bears upon the sensitivity of the carbon tissue to light may be gathered from the fact that a variation in the degree of moisture in the carbon tissue ranging from 8 to 16½% varies the sensitivity of the coating up to 70%.

THE KAYDEL MOISTURE GAUGE FOR PIGMENT PAPER

The Kaydel Moisture Gauge offers the possibility of accurately measuring the percentage of moisture at any given time.

The principle of the apparatus is as follows:

The gelatine coating plus the bichromate content possess a definite electric conductivity which is affected by even a slight variation in the degree of moisture. By means of a suitable arrangement an electric current is produced which makes it possible to read the variations in the conductivity of the gelatine coating on a suitable dial. The apparatus is operated by dry battery.

The apparatus registers the degree of moisture in actual percentages.

Price of the Kaydel Moisture Gauge is \$209.00



SPEEDO MONTAGE MAKER

The Speedo Montage Maker contains all necessary items required to make truly professional Photo Composites or Montages. Complete set consists of three montage masks: 5 x 7, 8 x 10 and 11 x 14 and a vignetter. Made of heavy non-warping cardboard; clear, sharp

edges. Conventional designs:—four rectangular sections with circular center.

Speedo Montage Maker, complete with instructions \$1.85

EAGLE GLASS MORTAR AND PESTLES

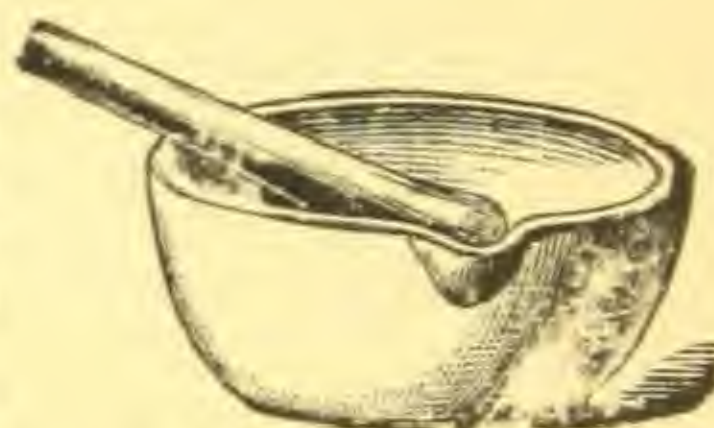


Eagle Glass Mortar
and Pestle

Heavy glass, with smooth round edges.

4 ounces	\$1.60
8 ounces	2.10
16 ounces	2.35
32 ounces	4.90

WEDGWOOD MORTARS AND PESTLES Guaranteed Acid Proof



Wedgwood

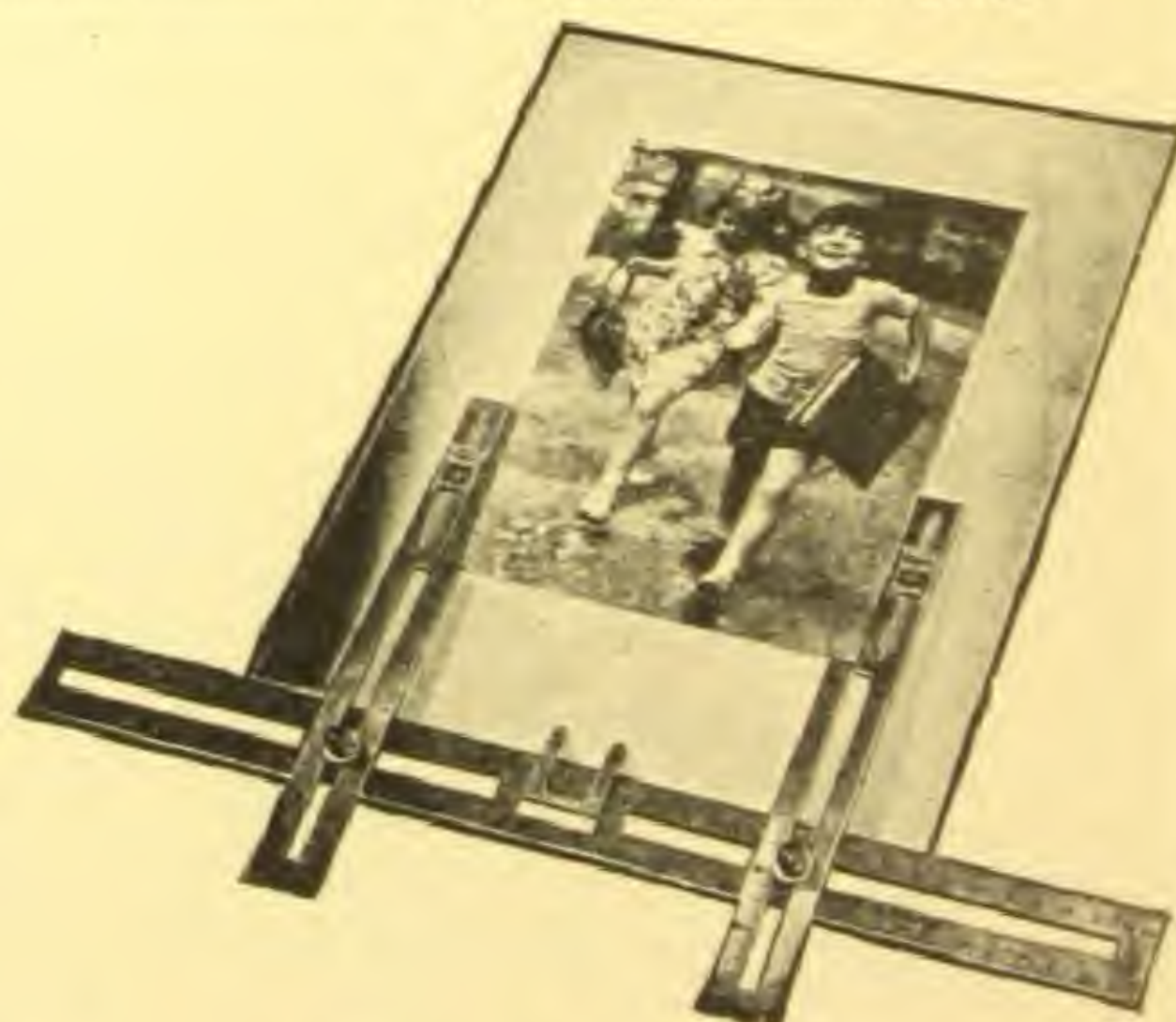
0000	3 1/4 inches	2 ounces	\$3.25
00	4 inches	6 ounces	3.50
1	5 inches	10 ounces	4.50
3	6 3/8 inches	26 ounces	6.60
5	8 inches	56 ounces	9.00
7	10 inches	6 pints	13.00
9	11 1/2 inches	10 pints	19.50
12	14 inches	17 pints	29.50

MOUNT-O-GRAPH

Your last mounting problem is solved with the Mount-O-Graph. Of course, you don't like to spend hours figuring, measuring, and making mistakes trying to place your pictures in the artistic center of the mount. But until now, there was nothing that you could do about it.

The Mount-O-Graph is made entirely of metal. Looks like a T-square—works like a charm. All you need do is insert the mount in the center clip, and it centers the picture itself for you.

Price \$3.00



EAGLE SALON MAT BOARD

We are now supplying mat board suitable for mounting exhibition prints. This is furnished in duplex stocks, white with buff on reverse and either side can be used. Two distinctive surfaces, thickness about 14 ply.

Be sure and specify surface number and size required.

No. 81 Antique Smooth Surface

No. 111 Rough Pabble Surface

PRICE	Doz.	100
8 x 10	\$.75	\$5.50
11 x 14	1.50	10.00
16 x 20	3.00	22.00

EAGLE MOUNTING CARDBOARD—16-PLY

White, Gray, Black

	Doz.	Pkg.	Per Pkg.		Doz.	Pkg.	Per Pkg.
7 x 9	\$0.45	50	\$1.80	14 x 17	\$2.15	25	\$3.95
8 x 10 .....	.65	50	2.55	16 x 20	2.45	25	4.60
10 x 12 .....	.95	25	1.75	20 x 24	3.70	25	7.00
11 x 14	1.10	25	2.00	22 x 28	4.20	25	7.95

EXIBITION MAT MOUNTS

Exhibition Mat Mounts are hand cut beveled to add finished art to the presentation of your pictures. They represent the finest of mat board stock, properly cured and seasoned to render it rigid and non-warping for wet or dry mountings. Mat Mounts can be used for Exhibitions, Salons, Window and Counter displays, picture framing and in homes.

Number and Color	Outside Size	Print Size	Position	Price
600 White	8 x 10	5 x 7	Vertical	.16 EACH
600 White, 601 Buff	8 x 10	5 x 7	Horizontal	
701 Buff	11 x 14	5 x 7	Vertical	.25 EACH
701 Buff	11 x 14	5 x 7	Horizontal	
700 White, 701 Buff	11 x 14	8 x 10	Vertical	
700 White	11 x 14	8 x 10	Horizontal	
801 Buff	14 x 17	11 x 14	Vertical	.40 EACH
800 White	14 x 17	10 x 8	Horizontal	
900 White, 901 Buff, 902 Grey ..	16 x 20	8 x 10	Vertical	
900 White, 901 Buff	16 x 20	8 x 10	Horizontal	
900 White	16 x 20	11 x 14	Vertical	
900 White, 902 Grey	16 x 20	11 x 14	Horizontal	
900 White	16 x 20	14 x 17	Vertical	

ROYAL ART MOUNTS

Same as above but do not have beveled edge.

16 x 20 with 11 x 14 opening (centered)	\$.25 each
16 x 20 with 8 x 10 Vertical .....	.25 each
16 x 20 with 10 x 8 Horizontal .....	.25 each

MIDVALE EASELS

No Underlay

GRAY—Black and Silver. Coated Stock. Crushed Edge Underlay on 8 x 10 and 10 x 8 size only.

Attractiveness sells more pictures. The Midvale Easel enhances the portrait but does not detract any attention from the portrait.

No.	Print Size	Outside Size	Price	
			per doz.	per 100
35	3x 5	4 ³ / ₄ x 6 ³ / ₈	\$.90	\$6.25
46	4x 6	5 ⁵ / ₈ x 8 ³ / ₄	1.00	8.00
57	5x 7	6 ³ / ₄ x 9 ¹ / ₄	1.50	10.75
70	8x10	10 x 13 ¹ / ₂	2.75	22.00
80	10x 8	12 ¹ / ₂ x 11	2.75	22.00





JAZZ EASELS

A SMALL TWO PIECE EASEL FOR "PENNY PICTURES." MADE FROM ASSORTED STOCKS ONLY WITH SQUARE OPENINGS. WITH PAPER BACK TO HOLD PICTURE.

Type	Opening	Per 100	Per 1000
No. 300	1 x 1 1/4	\$1.00	\$7.50
No. 12	1 1/4 x 2 1/4	1.00	7.50
No. 22	1 1/4 x 2	1.00	7.50
No. 24	1 1/4 x 1 1/4 (Passport)	1.00	7.50
No. 26	2 1/4 x 3 1/4	1.50	12.50

P R O

A slip-under
View Mount
GRAY

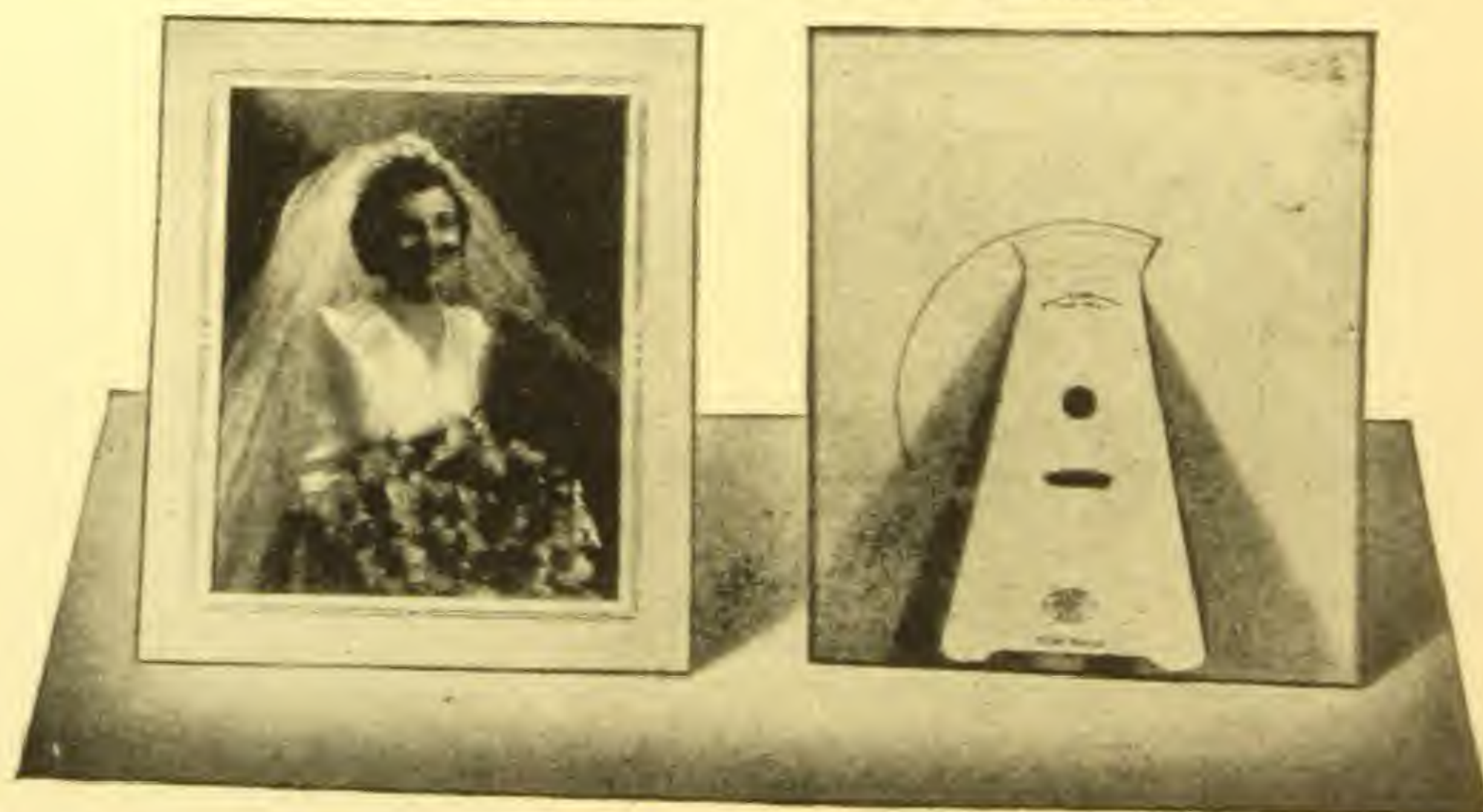
		dozen	Price per 100
A 4	x 6	\$.85	\$6.50
B 5	x 7	1.10	8.00
C 6 1/2	x 8 1/4	1.40	10.00
D 8	x 10	1.70	12.50

Send 20c. for 4x6 sample.



THE TWO WAY EASEL

WITH GLASS FRONT—SUPPLIED IN WHITE



Easel — Frame — made with leather like stock embossed with a neat conservative design. Can be used either vertical or horizontal. Photofinishers will find the 8 x 10 size suitable for special enlargement offers.

5 x 7—Two Way Easel Frame	each	\$.60
8 x 10—Two Way Easel Frame	each	\$.80

PEARL FOLDER

WHITE OR BUFF
RAG STOCK — SLIP-IN-STYLE



No.	Print Size	Outside Size	Price pr.doz.	pr.100	No.	Print Size	Outside Size	Price pr.doz.	pr.100
34	3x 4		\$.90	\$6.50	68	6x 8		2.25	15.00
35	3x 5		1.10	7.50	86	8x 6 Hor.		2.35	15.50
53	5x 3 Hor.		1.25	8.50	80	8x10	10 3/4 x 13 1/2	2.50	17.00
46	4x 6	7 x 10 5/8	1.50	10.50	108	10x 8 Hor.	13 x 11 5/8	2.50	17.50
64	6x 4 Hor.		1.65	11.50	2 1/4 x 3 1/4	Assorted Stock		.30	2.25
57	5x 7	8 x 11 3/4	1.65	11.50		per 1000			20.00
75	7x 5 Hor.	9 1/4 x 8 1/4	1.75	12.00		4 x 6 Sample on receipt of 20 cents.			

Lots of 50—5% Discount; Lots of 100—10% Discount; Lots of 500—20% Discount.

PEARL DOUBLE AND TRIPLE FOLDER

WHITE OR BUFF

Size	each	DOUBLE per 100	TRIPLE each	per 100
3 x 4	\$.15	\$11.00	\$.18	\$16.00
3 x 5	.15	12.00	.18	16.00
4 x 6	.20	18.00	.30	27.00
5 x 7	.25	20.00		
8 x 10	.35	30.00		

LORIS FOLDER

WHITE

A pure stock for high grade portrait work. The insert has a plate mark with light tint around opening. All edges are soft deckle.

No.	Print Size	Outside Size	Price per doz.	100
35	3 x 5	5 1/2 x 8	1.40	10.50
46	4 x 6	7 x 10 5/8	1.90	14.25
57	5 x 7	8 x 11 3/4	2.25	16.50
75	7 x 5	9 1/4 x 8 1/8	2.25	16.75
70	8 x 10	10 3/4 x 14	3.10	23.50
80	10 x 8	13 x 11 5/8	3.20	24.00





TUNIS EASEL

With Underlay

A three piece easel of neat design.
Outside cover plain gray, insert has light granite gray finish, with white underlay.

Picture size	per doz.	
3 x 4	1.25	\$8.50 per C
3 x 5	1.25	9.00 per C
5 x 3 horizontal	1.40	10.25 per C
4 x 6	1.65	11.50 per C
6 x 4 horizontal	1.75	12.50 per C
5 x 7	1.85	13.00 per C
7 x 5 horizontal	2.00	15.00 per C
6 x 8	2.50	19.00 per C
8 x 6 horizontal	2.75	21.00 per C
8 x 10	3.00	21.50 per C
10 x 8 horizontal	3.25	23.50 per C
2 1/4 x 3 1/4 Assorted stock ..	.45	3.50 per C
per 1000		\$25.00

Send 20c. for 4x6 sample

Lots of 50—5% Discount; Lots of 100—10% Discount; Lots of 500—20% Discount.

PHOTO MOUNT CASE

16 x 20

Constructed of vulcanized imported fibre, waterproofed inside and outside. Will resist rough usage, completely protecting your valuable salon prints, etc. during transit. Furnished in fibre with metal corners.

Complete with patented brass-plated card holder with forwarding and return address card, two web straps and handle.

No. 1—Style B—1 1/4" \$4.00
No. 2—Style BB—2 1/2" 5.00



HOOK-ON-ER MOUNTING CORNERS



The adjustable Hook Corner Picture Frame. Fits any size picture, card, mount or enlargement.

Easy and simple to attach. Carries any weight. Can be used with glass.

Available in two finishes: Gun Metal or Brass.

Per card of 4 corners \$0.10

TATCH, INVISIBLE MOUNTING

Tatch is an invisible picture mounting consisting of a double-adhesive stamp, one side of which is attached to the picture at each corner. Stamps are then moistened on the reverse side and picture is pressed into place. A booklet 3" x 5½" holds 400 stamps (for 100 pictures); price 10 cents.

NUACE MOUNTING CORNERS FOR ALBUMS (Black)

The NuAce corner is an artistic device for holding photo prints, snap shots or post cards in albums or elsewhere.

It is made in the form of a pocket and requires no folding.

NuAce is made of the strongest Black Kraft paper and is backed by strong, quick setting glue which adheres immediately.

NuAce has an artistic design and finish and it beautifies and adorns a print.

100 NuAce Mounting Corners in a package.....\$0.10



Regular NuAce

Engel "Art Corners"

For Mounting
KODAK PICTURES



MILLIONS IN USE TODAY
NO PASTE NEEDED

ENGEL ART MOUNTING CORNERS FOR ALBUMS NO PASTE REQUIRED

Just slip them on corners of pictures, then wet'em and stick'em like you would a postage stamp. They are by far the most convenient article for mounting pictures of any size in a quick way in any position, on anything and anywhere with variety and neatness of appearance. Especially recommended for Album Work.

No. 1 Square Style Black
No. 11 Round Style Black

Price per Package of 100.....\$0.10
Price 3 Packages of 100......27
Price 12 Packages of 100..... 1.00

TRANSPARO MOUNTING FOTOCORNERS FOR ALBUMS

These pocket style corners are invisible when used for mounting prints in an album. The gummed paper tab enables pictures to be held tight—or they may be slipped in and out if preferred.

Package of 100.....\$0.15



ALBUM HINGES

Follow the illustration closely and you will see how this wonderful hinge revolutionizes the mounting of pictures in albums or for other display purposes.

With this hinge you can write a title or record on the back of each print for quick reference. To read, simply turn print up.

Directions

1. Moisten gummed side of hinge.
2. Place photo face down.
3. Press gummed tabs against the back of the picture and body of hinge to the album page.
4. Bend picture back in position pressing finger across the top.

25 Hinges to a package, per pkg.....\$0.10



Capacity Mounting

Single Mounting

CASTLE FILMS

16 mm and 8 mm Home Movies

NEWS PARADE:

- 165 American Legion—New York
164 News Parade of 1947

WORLD PARADE:

- 236 Bermuda
235 Shanghai Today
234 America's Wonderland
233 New England Holiday
232 Belles of the South Sea
231 Glacier National Park
230 Banff and Lake Louise
229 Bryce-Zion Grand Canyon
226 Yosemite
224 Calif. Picture Book
218 Mexico
213 Bali
212 Washington
211 New York
208 Hawaii

SPORT PARADE:

- 342 Football Parade of 1947
341 Knockout Thrills
340 Spills and Thrills
339 Aqua Frolics
338 Sport Thrillers of the Year
337 Football Parade of 1946
336 Wonder Dogs in Action
334 Louis vs. Baer
Ambers vs. Armstrong
333 Louis vs. Godoy
Baer vs. Galento
332 Daredevils on Ice
331 Fishing Thrills
330 Louis-Conn-Baer Fights
329 Louis-Baer-Simon Fights
325 Sport Spellbinders
321 Ice Carnival
320 A Thrill a Second
319 Swimming and Diving Aces
316 Ski Reve's
313 Ride 'Em Cowboy
306 Big Fish
305 Snow Thrills

ADVENTURE PARADE:

- 619 Bruins in a Canoe
618 Lion-Tiger Fight
617 Chimp the Aviator
616 Bruins Make Mischief
615 Crocodile Thrills
614 Chimp's Jamboree
613 Chimp's Vacation
612 Wing, Claw and Fang
611 Bruins in the Woods
610 Beatty's Animal Thrills
609 Here Comes the Circus
608 African Pigmy Thrills
606 Thrills in Wildest Africa
605 Sea Going Thrills
604 Arctic Thrills
602 Elephant Roundup
601 Chimp's Adventure



OLD TIME MOVIES:

- 507 Muddled in Mud
506 Revenge on the Range
504 Gay 90's Live Again
501 Yesterday Lives Again

WOODY WOODPECKER

- 454 Pantry Panic
453 The Screw Driver
452 The Cracked Nut
451 Knock Knock

ANDY PANDA

- 474 Andy Panda's Pop
473 Dizzy Kitty
472 Mouse Trappers
471 Crazy House

FARMER AL FALFA:

- 426 Billy Goat's Whiskers
425 Tin Can Tourist
424 Old Dog Tray
423 Rolling Stones
422 The Runt
421 Prize Package

MOUSE MOVIES:

- 407 Just Ask Jupiter
406 South Pole or Bust
405 Peg Leg Pete
403 Mice in Council
402 Lion Hunt
401 Jail Birds

PRICE LIST

16 mm.	Price
HEADLINE (100 ft.) EDITION ..	\$2.75
COMPLETE EDITION (360 ft.) ..	8.75
SOUND DELUXE (350 ft.)	17.50
8 mm.	Price
HEADLINE (50 ft.) EDITION ..	\$1.75
COMPLETE EDITION (180 ft.) ..	5.00

TRANSPARENT NEGATIVE PRESERVERS

Transparent Negative Preservers are made of strong, heavy translucent paper, through which the negatives can be inspected, thereby making it unnecessary to remove them from the envelope. A great convenience and time saver.



ROYAL Royal Brand are Plain with- out printing.

	Per 100	Per 1000
2 1/4 x 2 1/4	\$0.20	\$1.80
2 1/4 x 3 1/4	.25	2.10
3 1/4 x 4 1/4	.35	2.60
3 1/4 x 5 1/2	.50	4.00
4 x 5	.40	3.75
5 x 7	.60	5.25
8 x 10	1.10	9.00
120	.25	2.25
116	.30	2.50
35 mm	.25	3.00

EAGLE

	Per 100	Per 1000
2 1/4 x 2 1/4	\$0.60	\$5.50
2 1/4 x 3 1/4	.60	5.50
3 1/4 x 4 1/4	.60	5.50
3 1/4 x 5 1/2	.80	7.00
4 x 5	.65	5.60
5 x 7	.85	8.00
8 x 10	1.25	12.50

Eagle Negative Preserves

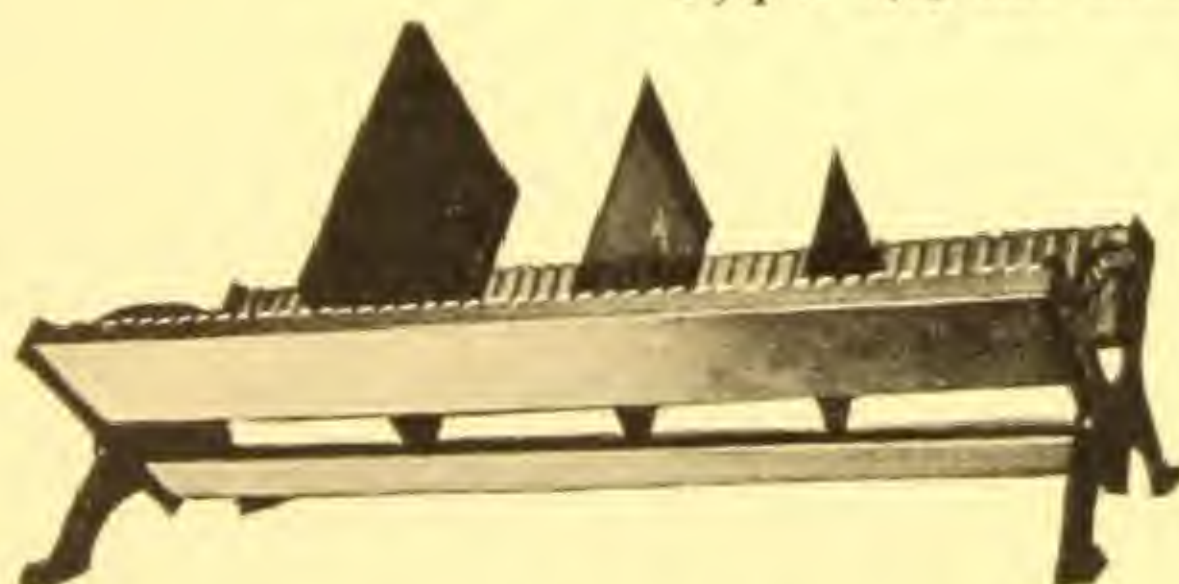
These envelopes are made of strong paper, the proper size for the negative; they are open at the end for inserting the negative. On the face are printed lines of name, number and remarks. They are invaluable for preserving the negative from dust, scratches, etc. Put up in packages of fifty each, 500 to a box.



	Per 100	Per 1000
For 2 1/4 x 4 1/4 Negatives	\$0.50	\$4.50
For 3 1/4 x 5 1/2 Negatives	.50	4.90
For 4 x 5 Negatives	.50	4.90
For 5 x 7 Negatives	.70	6.50
For 6 1/2 x 8 1/2 Negatives	1.25	10.00
For 8 x 10 Negatives	1.35	10.75
For 11 x 14 Negatives	2.48	22.68
For 14 x 17 Negatives	5.00	45.00

EAGLE PROFESSIONAL NEGATIVE RACK FOR FILM HANGERS OR GLASS NEGATIVES

3 1/4 x 4 1/4 size and up.



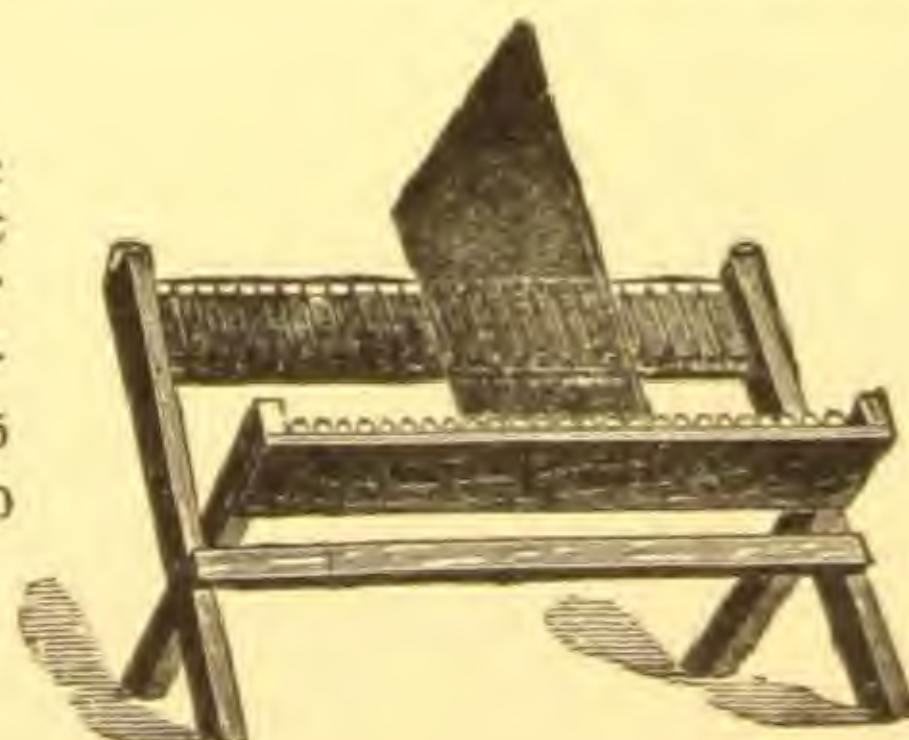
This is a strong, well built rack, and one which is used by professionals. It holds 42 negatives, and has a trough running the length of the rack to receive the drippings from the negatives. It will take from the smallest to the largest size negative that is made.

No. 1—With trough, for 42 negatives \$3.25

"SPECIAL" NEGATIVE RACK

This is a very substantial article made of the best seasoned wood. It folds flat when not in use and prevents the possibility of scratching negatives while drying.

No. 1—12 grooves 3 1/4 x 4 to 5 x 7 \$0.25
No. 2—24 grooves 3 1/4 x 4 to 5 x 750



CURTIS-STERN DAYLIGHT NEGATIVE NUMBERING MACHINE

MODEL B



Here is a device that enables a Photographer to number his negatives in BROAD DAYLIGHT, and in practically no time.

To operate the C-S Negative Numbering Machine, all that is necessary is to place a number, either printed or written, in the clip at the bottom of the machine, lay the film holder on top, holding it with one hand while withdrawing the bottom slide about an inch and returning it immediately, with the other hand. As this device is actually a fixed focus Camera, you have in effect photographed the number on the film where it can be distinctly read. THIS IS ALL ACCOMPLISHED IN DAYLIGHT, NO DARKROOM.

The C-S Daylight Numbering Machine is well made and finished. It is equipped with a special Wollensak Lens to always produce a clear cut number. A light switch is at your finger tips to turn the light on and off.

	Tax included
Price 3 1/4 x 4 1/4 Standard Model	\$17.50
Price 4 x 5 Standard Model	17.50
Price 5 x 7 Standard Model	17.50
Price 8 x 10 Standard Model	21.00
Price 5 x 7 Dual Model—Two Numbers on 5 x 7 film	21.00

ASCO (ECLIPSE) OPAQUE

It has the highest endorsement of the largest and most progressive Commercial Photographers, Photo-Engravers, Photo Lithographers, Rotogravure and Gelatin Printers, etc.

Because—It is opaque on clear glass with one coat; Does not crack or chip; It is fast working and quick drying; When properly thinned with water, rules perfectly with ruling pen; The finest lines can be cut thru it with sharp blade; Has great covering properties—goes farther—economical; Perfect opacity and thin film; When Eclipse Opaque becomes dry, it can be moistened with water, restoring it to its original good quality; No waste.

No. 0—2 1/2 oz. size, 50c.; dozen..\$5.40
No. 1—9 oz. size, \$1.25; dozen....13.50

No. 2—18 oz. size, \$2.25; dozen..\$24.30
No. 5—75 ounces, \$7.50; dozen.. 81.00



NEGOPAKE

An Opaque Applied with Water

It has the highest endorsement of the largest and most progressive commercial photographers, photoengravers, photo lithographers, rotogravure and gelatin printers, etc.

It does not crack or chip; it is fast working and quick drying; when properly thinned with water, rules perfectly with ruling pen; has great covering properties. Can be washed off with alcohol without affecting negative.

No. 1—1-ounce jar.....\$0
No. 2—2-ounce jar.....\$0

GIHON'S OPAQUE

A dry opaque in cake form to be applied with a brush, and is bound to stick.

Price, per cake



Photo MASKOID
OPAQUEING AND MASKING MADE EASY
THE LIQUID WHICH DRIES TO FORM A PEELABLE MASK
FOR AIRBRUSH FRISKETS
FOR LOCAL BLEACHING
FOR LOCAL TONING

A red liquid plastic which can be applied by Pen, Airbrush or hand brush to wet or dry prints or negatives. Gives sharp outlines. May be used to protect as in reducing. Does not have to be removed with solvents. May be peeled off by picking up one end with a piece of masking tape.

Comes away easily when dry leaving no marks or stain. Ask for the booklet of uses when you order.

PHOTO MASKOID	
2 oz. and Thinner	\$1.20
4 oz. Maskoid only	1.85
8 oz. Maskoid only	3.60
Quart	\$ 6.75
1 gal.	10.75

REDUCER (Thinner)	
2 oz.	\$0.25
8 oz.	0.95
Quart	\$1.50
1 gal.	4.00

Maskoid Fixative used to protect retouching or previous work on negatives and prints. 4 oz. \$0.50

FR "ONE SHELF" DARKROOM



A Complete Darkroom In Itself!

Kit Contains:

- 1-32 oz. bottle of Super X-33 Super Fine Grain Developer.
- 1-32 oz. bottle of Fixol Acid Fixing Solution.
- 1-32 oz. bottle of Paper Developer for all printing papers.
- 1-FR "Special" Roll Film Tank, adjustable for roll films, 35mm, 828, 127, 120, 620, 118, 616.
- 1-Absorbent Film Squeegee.
- 1-Pkg. Contact Printing Paper.
- 1-Stainless Steel Thermometer.
- 1-Roll Test Loading Film.
- 2-Stainless Steel Film Clips.
- 3-5 x 7 Color Coded Printtrays.
- 2-Printongs.
- 1-16 oz. Graduate.
- 1-Glass Stirring Rod.
- 1-Darkroom Bulb.
- 1-30 Page Instruction Book.

PRICE.....\$13.65
Inc. Tax

FR HOME DEVELOPING AND PRINTING KIT

Contains all of the essentials for roll-film development and print making.

Kit Contains:

- FR Developing Tank with Roll of practice Film
- FR Developing and Fixing Chemicals in Concentrated Liquid Form
- Stainless Steel Film Clips
- Three FR Printtrays
- Print Frame . . . Safelight
- Contact paper.
- Compact . . . complete with Instruction booklet.



Price.....\$7.95

**EASY TO CARRY
EASY TO STORE AWAY**



PRINT YOUR OWN SNAPSHOTS
in a
LIGHTED ROOM



No darkroom needed with this new, low-priced FR Printing Kit!

It's Amazing! Contains everything you need to print your own pictures in a lighted room! No extras to buy—nothing technical to know. So easy a child can do it . . . so thrilling you'll do it yourself!

\$3.95
LIST PRICE
Incl. Post. Tax

A good gift for kids!

All the extra prints you want—you make 'em!

One Kit contains:

- 1 Bottle Paper Developer
- 1 Bottle Fixol
- 1 Printong
- 3 Printtrays
- 1 Print Frame
- 25 Sheets of Kodak Velite Printing Paper
- 1 Instruction Book



ABC DEVELOPING AND PRINTING OUTFIT



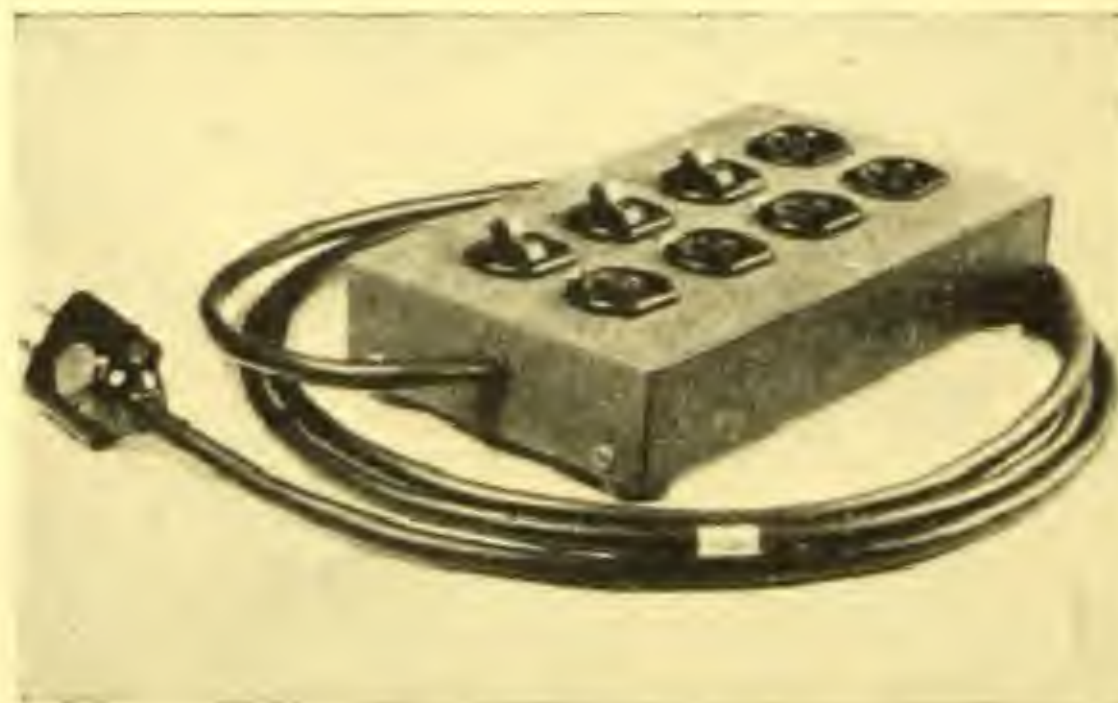
ABC Developing and Printing Outfit provides the basic essentials for developing and printing your own pictures. Its Metal Printing Box gives you a simple, easy means of making contact prints with consistent results. The distribution of light is uniform over its 4 x 5½-inch negative area. For storage, the entire outfit can be neatly packed within the printing box. A generously illustrated manual of instructions is included with each outfit.

The ABC Outfit contains the following equipment and materials, carefully chosen for simplicity and economy—everything you need to begin developing and printing.

- 1 Brownie Darkroom Lamp, Model B, Series 2
- 3 Metal Trays (3¼ x 5½-inch)
- 3 Packets, Universal M-Q Developer
- 1 Package, Acid Fixing Powder with Hardener, 1 qt. size
- 1 Tumbler Graduate, 4 oz.
- 1 Glass Stirring Rod
- 1 Darkroom Thermometer
- 1 Mask Chart
- 2 dozen sheets 3¼ x 5½-inch Velox Paper F No. 2
- 2 Junior Film Clips
- 1 Lamp Socket with cord and switch
- Book of complete instructions
- Metal Printing Box

PRICE \$7.58

EAGLE 5 OUTLET PANEL



In this day of electric devices, it is hard to find enough convenient outlets or switches. To avoid snarled wires and climbing under furniture to plug in your equipment use CONTROL PANEL. Have ALL your equipment controlled from a convenient position on top of your table or bench. When taking pictures, control your lighting without moving from the camera. In the darkroom, centralize the wiring and control of all your electrical equipment.

SPECIFICATIONS—Three outlets controlled by individual switches. Two live outlets. Reed neon pilot light glows when panel is operating. Eight feet heavy No. 16 Underwriters approved cord. Attachment plug fused for 15 amperes, protects house fuses. Heavy bus bar wiring assembly. Sturdy 20 gauge steel box. Attractive wrinkle finish in black and red combination. Rubber feet to protect fine surfaces. PRICE \$11.00



ENAMELED (Porcelain) STEEL DEVELOPER PAILS

	6	8	10	12	16
Quarts	\$2.50	\$2.75	\$3.00	\$3.25	\$3.50
Covers	\$0.90	\$1.00	\$1.25	\$1.50	\$1.75

KODALAK NO. 4 BRUSH LACQUER PAINT

A quick drying lacquer producing a permanent, dull, black finish. Used successfully for refinishing all metal parts on cameras, lens mounts, etc.

4 ounce bottle \$0.75



PROBUS PAINT

Acid, Alkali and Water-Proof Preservation Paint

This is a water-proofing preparation that can be used for coating the Dark Room sink, walls, shelves or floor. A few coats of it can be applied to Developing, Fixing and Washing Trays made out of wooden or card boxes. Easily applied, dries quickly; once used—always used.

One-half pint \$.50
 One pint90
 One quart 1.40
 One-half gallon 2.25
 One gallon 3.90



**THE PAKO PROFESSIONAL PRINTER
NUMBER TWO**

The printing head on this remarkable low-priced printer with the exception of paper and screen guides, is identical with that of the DeLuxe Model. Consequently this printer possesses the same unique performance features which have made the original model so popular.

Positive Contact—Guaranteed when either glass or film negatives are used.

Easy Operation—Same mechanism, same contact pressure. A revelation to users of other machines.

Light Distribution—Six printing sockets and one pilot. Ample speed and perfect distribution.

Printing Opening—Oversize 11 x 14, same as on DeLuxe Model.

Hinged Printing Head—Same as on DeLuxe Model. This feature permits instant access to ground glass and lamps, and allows for local printing with an improvised lamp or with a PAKO Spot Light, which may be purchased separately.

Vignetting Screen—Three sets of wooden pegs hold the ground glass in one of three positions, or three glasses may be used at once if desirable. One ground glass is furnished as regular equipment.

Work Shelves—A 13-inch shelf is hinged on each side of the printer cabinet, affording a total area of 21x48 inches when both shelves are open.

The cabinet is made entirely of metal, finished in a dull black. The Printer top is identical in finish with the DeLuxe model.

Pako Professional Printers are shipped completely assembled except lamps, and are guaranteed against mechanical defect.

Floor space required for Number Two Model 22 x 21 inches. (With shelves open 21 x 48)

Professional No. 2 Printer 176.25

PA-KO JUNIOR PRINTER

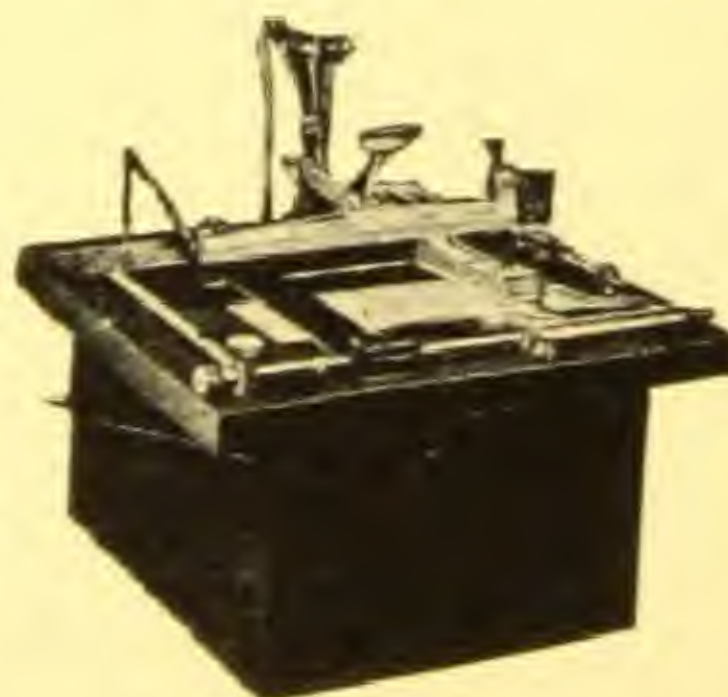
The Pa-Ko Junior is designed to deliver a large volume of amateur printing speedily and with minimum expense.

An inexperienced operator easily averages 250 prints an hour with the Pa-Ko Junior.

Numbers all prints automatically. Insures absolute register by means of adjustable register guides. Handles any film up to 5 in. x 7 in. Secures even, accurate margins by convenient, universal masking.

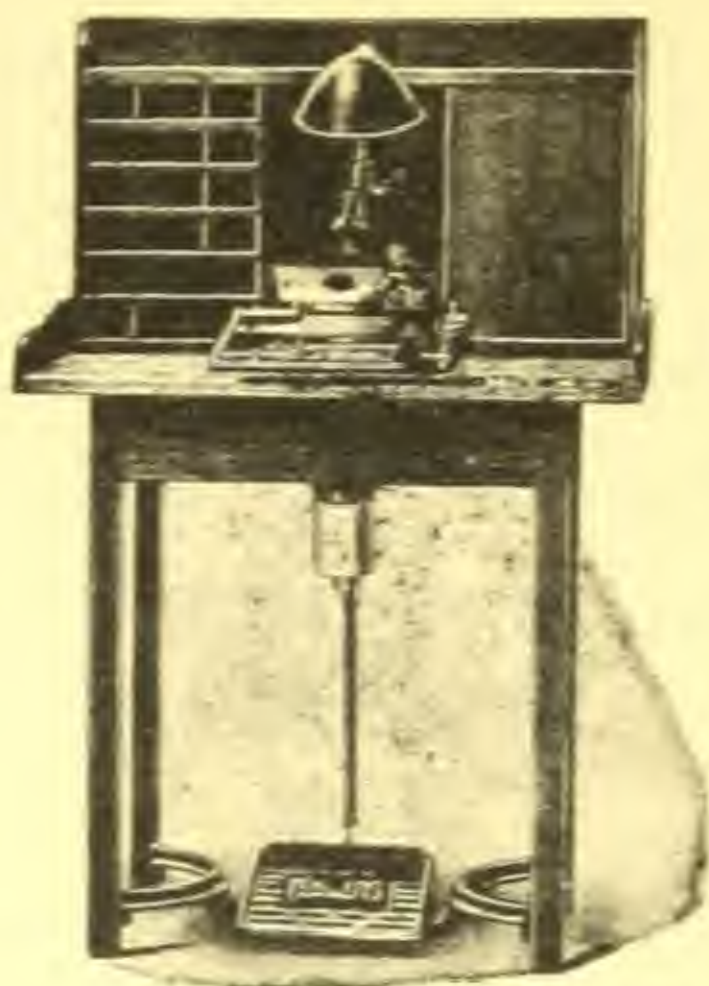
Automatic switch turns on printing light immediately perfect contact is established between paper and negative and shuts it off instantly contact is broken.

Junior Printer 76.40



The PAKO Model "B" Printer . . .

For Fast, Accurate Commercial Printing



24 in. deep, 33 in. long, 50 in. high

The PAKO Model "B" Printer is easy to operate and very flexible. It assures high speed on short run work. Platen operates by foot treadle, leaving operator's hand free to insert negative and paper. It has an automatic numbering device. Adjustable, universal masks accommodate varying negative sizes. Production of 350 prints per hour is easily attained.

PRICE \$ 182.15

tax included



Model 2 Drycab

PAKO DRYCAB

Compact, safe, drying cabinet for film packs, cut or roll films. Requires less than 4½ sq. ft. of floor space. Uses flameless heat of infrared rays. Dries 72—8"x10" or 144—8"x7" or 50 rolls in approximately 45 minutes. May be used with most types of film hangers. All metal construction, easy to keep clean baked finish. A clean, practical way to dry black and white or color film.

229.15



Pakolux Print Washer

PAKOLUX

A new print washer designed with Stainless Steel tank and cylinder for maximum corrosion resistance. Fast, thorough — washes all size prints up to 11"x14". Electrically operated . . . gearless rubber drive. Easy to load and unload. Extra print agitation with air. Simple plumbing connections, fully equipped with vacuum breaker.

267.20



PAKOLARGER

The Universal Enlarging Printer

The PAKOLARGER offers facilities for producing quality enlargements in quantity. One enlarging printer for all size negatives — from single frame 35mm to 116-616 — on all sizes, grades and practically all types of paper, including Variable Contrast, from 3½"x5½" — 3¼"x4¼" to 8"x11". All this is possible with a minimum of operator training.

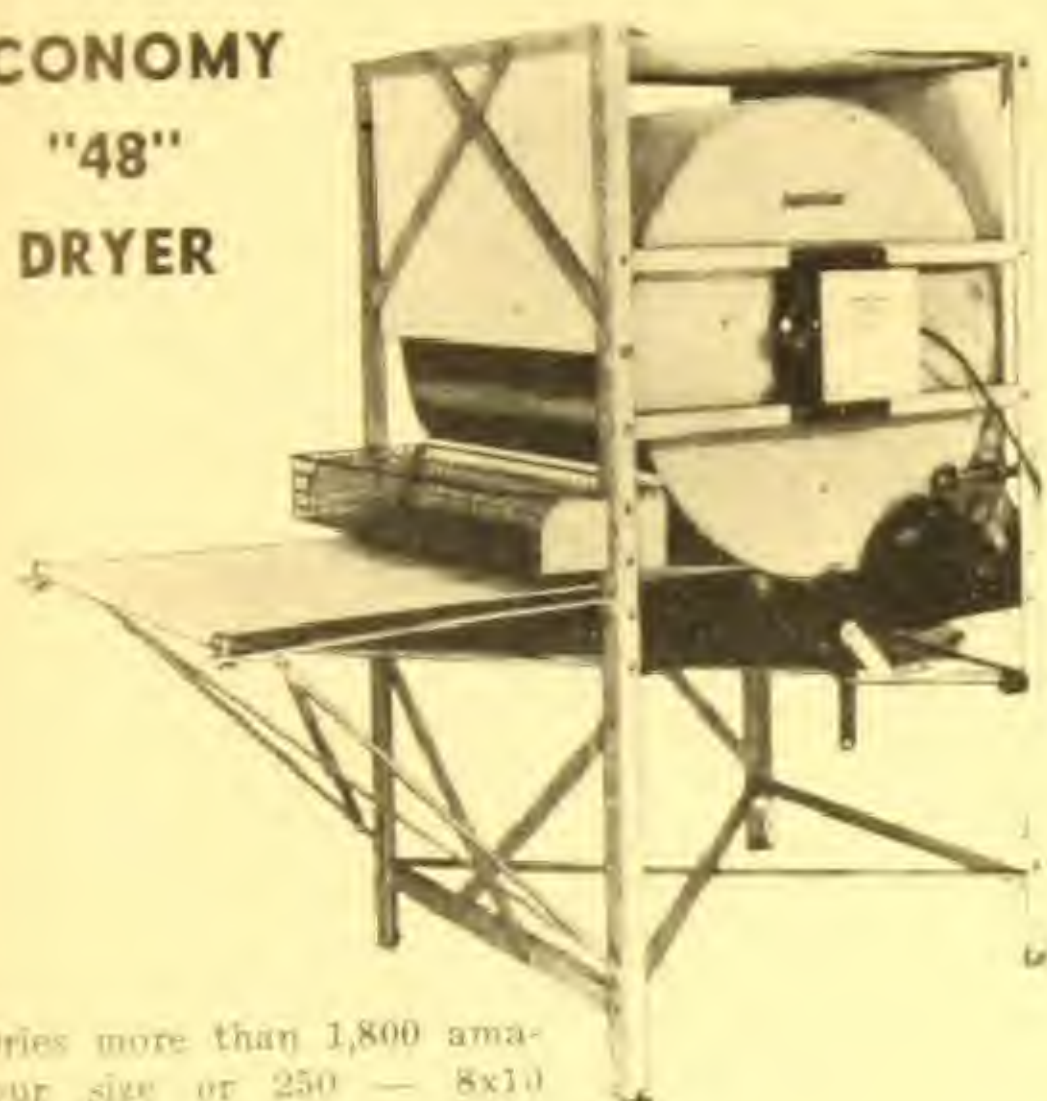
Has an Electronic Timer, Glassless Negative Holder, Condensed Type Optical System, Vacuum Platen, Varidisc, Exposure Counter, and Built-in Safe-Lights — all of which produce better enlargements FASTER (Write for illustrated folder).

Pakolarger

1,353.75

ECONOMY

"48" DRYER



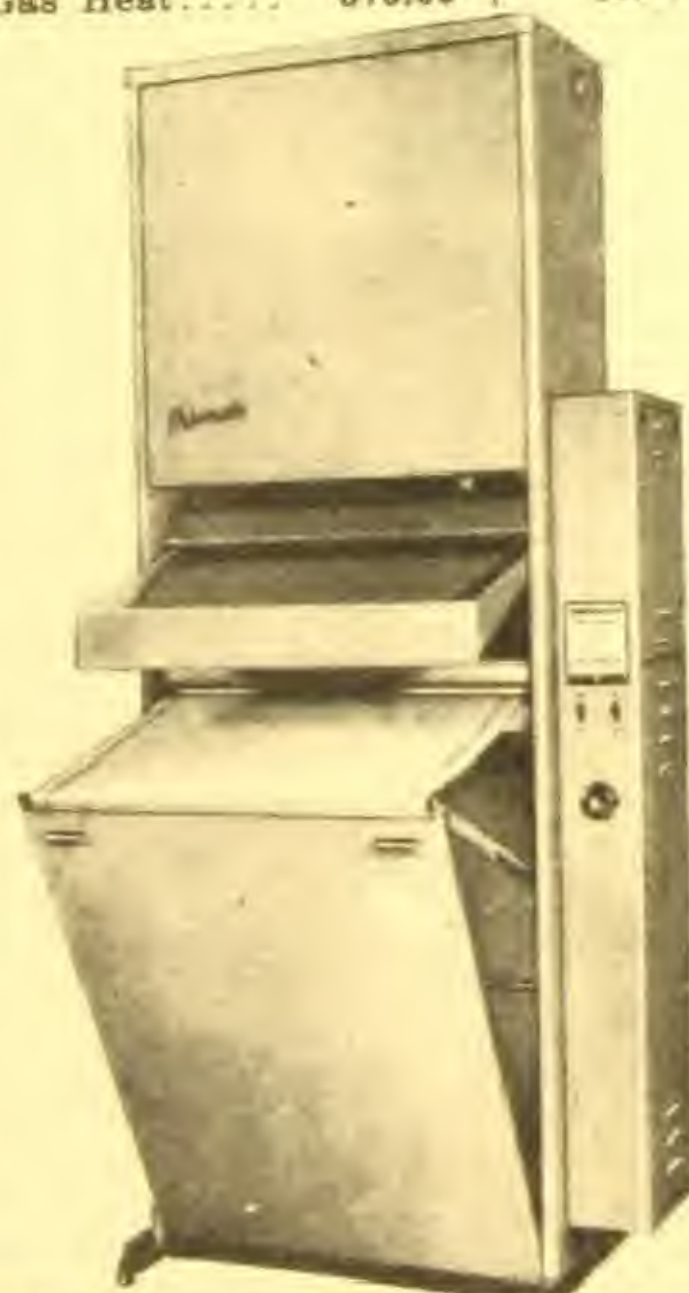
Dries more than 1,800 amateur size or 250 — 8x10 glossy prints per hour. Features the seamless PAKO SUPERDRUM. Electric or gas heated. Built for fast, economical print drying... for continuous strip or individual prints. Easy to install and operate. Delivers quality results at low cost. Drying surface 26" wide.

Economy "48" Dryer, Electric Heat... 430.00 + 75.25
Gas Heat..... 375.00 + 65.63

PAKOMATTE DRYER

Capacity.
Approximately 270
8x10 prints per hour

A new matte type dryer which occupies less than 10 square feet of floor space. Features automatic blitting and straightening of prints. Has double apron which maintains high tonal quality of prints. Dryer surface 26" wide. Standard drying time, only 10 minutes. Attractive all-metal cabinet. Easy to use and maintain.



Pakomatte Dryer, electric heat only.....\$ 795.65

PAKO PHOTOCOPY DRYERS

Operational characteristics similar to Liberty Dryer. Wider drum and apron permits drying of larger sized prints — increases capacity.

Model 38 — Drying
Surface 38" wide.

Model 44 — Drying
Surface 44" wide.

Photocopy Dryer, 44" apron width, electric heat. 593.40
gas heat ... 487.65



PAKO LIBERTY DRYER



Simplifies drying of matte prints. Three speeds and three heats—easily adjusted for drying different weights of dull finished prints. The original PAKO dryer with up-to-date improvements. Very practical for drying photo copies and blueprints. Drying surface 26" wide. Electric or Gas Heat.

Liberty Dryer, 26" apron width, electric heat.... 399.50
gas heat 364.25

ELECTRO- GLOSS DRYER

A table model dryer embodying many of the features of the PAKO Economy Dryer. Glossy drying surface — 14" wide. Capacity approximately 350 amateur prints per hour. Ample production for small and medium size laboratories—a good utility unit for larger plants. Electric or Gas heat.

Electrogloss Dryer, electric heat..... 346.65
gas heat 346.65



JUMBO PAKODOPER

High production machine for print developing. Capacity under normal conditions 2000 average size prints per hour. Clean, easy to operate. Stainless steel and corrosion resistant surfaces. Assures uniformity and finer quality of prints. Equipped with 4' or 6' conveyors; 8', 10' or 12' conveyors on special order.

110V or 220V AC or DC
25" W x 45" L (plus conveyor length) x 30" H



	Net Price	Plus Tax
with 4- or 6-ft. Conveyor	\$390.00	68.25
with 8-ft. Conveyor	400.00	70.00
with 10-ft. Conveyor	420.00	73.50
with 12-ft. Conveyor	445.00	77.88

Jumbo Pakodoper with 4-foot or 6-foot conveyor.....	475.90
8-foot conveyor	487.65
10-foot conveyor	511.15
12-foot conveyor	540.50

EAGLE FILTERING PAPER

Round, in Packs of 100 Sheets

No. 13.	5 inches, for $\frac{1}{8}$ pint funnel	\$0.75
No. 19.	8 inches, for $\frac{1}{4}$ pint funnel	1.25
No. 25.	10 inches, for $\frac{1}{2}$ pint funnel	1.35
No. 33.	13 inches, for 1 pint funnel	1.85
No. 40.	15 inches, for 1 quart funnel	2.75
No. 45.	18 inches, for $\frac{1}{2}$ gallon funnel	3.50
No. 50.	20 inches, for 1 gallon funnel	4.00
No. 60.	22 inches, for $1\frac{1}{2}$ gallon funnel	4.50
No. 65.	26 inches, for 2 gallon funnel	6.50

EAGLE LITMUS PAPER (Red or Blue)

This paper is put up in strips, being the handiest form for practical use. One hundred strips, packed in glass tube, red for acids and blue for alkalis.

Book, containing 25 strips.....	\$0.05	Bottle, containing 100 strips.....	\$0.10
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MISCELLANEOUS PAPERS

	Per Doz.	Per Ream
Orange (Post Office) Paper	\$0.75	\$22.00
Onion Skin15	3.00
Sepia Skin .....	.15	3.00

EAGLE TISSUE PAPER

Only the photographic printer knows the need of a fine grade of Tissue Paper. We now have it in the Eagle tissue.

Per dozen	\$0.35	Per ream	\$9.00
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SENSITIZED PHOTOGRAPHIC PAPERS

Due to frequent changes in price we publish a separate list of paper of all the popular brands of the various manufacturers, giving net cash prices.

DIREX POSITIVE (ORTHO) PAPERS

5 x 7 dozen	\$1.50
8 x 10 dozen	3.25
$\frac{1}{2}$ gross—5 x 7	6.95
$\frac{1}{2}$ gross—8 x 10	16.70
1 gallon—Seepetone A or B .....	.90
1 gallon—Direx Fast Developer	1.50
1 gallon—Direx Blanchite .....	.75
1 gallon—Direx Clear .....	.60
1 gallon—Direx Chemical Kit	3.00

(Chemical Kit contains 1 each—1 gal. Developer, Blanchite,
Clear and Seepetone).

KODAK VELITE

A New Kodak Paper Which Needs No Darkroom

Kodak Velite—a new photographic paper which takes the “dark” out of darkroom. . . . Correctly handled—the directions are very simple and easy to follow—Kodak Velite Paper produces prints of good quality . . . and yet it can be processed in a lighted room . . . 60-watt tungsten lamp at a distance of four feet or more.

All the beginner needs is a package of Kodak Velite Paper, three 4 x 6 trays, Chemicals, a No. 1 Photoflood lamp, a printing frame—and his favorite negatives. With Kodak Velite Paper and the No. 1 Photoflood lamp, two or three seconds is sufficient time for exposure for all but extremely flat negatives. A minute in the developer, 15 seconds in the stop bath, five or ten seconds in the fixer, and the paper is de-sensitized—all fears of fogging ended. However, Kodak Velite Paper should not be subjected to daylight or fluorescent light.

Kodak Velite Paper is designed for contact printing only. It is a single contrast, white, smooth, glossy paper and it is supplied in single weight.

Single weight, single contrast, effective with a wide range of negatives, Kodak Velite Paper is packed in 25-sheet and 100-sheet packages and in three sizes—2½ x 3½, 2¾ x 4½, and 4 x 6.

Single Weight Glossy White

One Contrast

	25 sheets	100 sheets
2½ x 3½	\$.27	\$.71
2¾ x 4½ .....	.33	.99
4 x 6 .....	.55	1.65
M Q Development Tubes .....		.05

CHARCOAL BLACK ENLARGING PAPER

Type	Description	Color	Weight
B—Sketching	A pencil sketching surface. Beautiful in color and texture. Fine enough for detail, rough enough for character.	White	Medium
C.—Laid	A charcoal type paper, medium rough, with a delightful laid surface. The light ribbing, except in the odd sizes, runs the short way of the sheet.	Ivory	Medium
D—Rough Drawing	A rough water-color type paper similar to a Whatman drawing paper.	White	Medium
E—Sketching	Same as B.	Ivory	Medium
F—Opaline Parchment	Fine-grained and extremely translucent. Ideally suited for enlarged paper negative making.	White	Extra Thin
I—Velvet	Semi-matte, similar to a fine vellum coated lightly enough to maintain character of the paper.	White	Single Weight

Supplied in one contrast—Medium

Price—including Tax

	Pkg. 10	Pkg. 25	Pkg. 50	Pkg. 100
5 x 7		1.04	.....	3.51
8 x 10		2.09	.....	7.57
11 x 14	1.59	.....	7.30	.....
14 x 17	2.47	.....	11.19	.....
16 x 20	3.29	.....	14.98	.....

IMPORTED EAGLE BRAND BROMOIL PAPERS

EAGLE BRAND Double Weight — Semi-Matte

BROMOIL PAPER

NORMAL GRADE — DOUBLE WEIGHT
NO GELATIN OVERCOAT — MADE ESPECIALLY FOR BROMOIL WORK



Keep in a cool dry place and open only in photographic darkness

GEORGE MURPHY, Inc.
57 EAST 9TH ST. NEW YORK, N. Y.

Eagle Brand Bromoil Papers are made specially for Bromoil work.

It is rich in silver of a long range and has no overcoat of gelatin above the silver emulsion. It is a double weight semi-matte stock.

The range will fit any negative from normal to contrast. This is a bromide paper and should be handled in a red or orange light. Developer should be between 68° and 70° F. Warmer developer will produce fog. Developed at low tempera-

tures, less than 50°, will not perform properly. Development should be complete in 1½ to 2 minutes. Time your exposures accordingly.

You may use any standard Metol-Hydroquinone paper formula such as EK Dektol.

PRICES

8 x 10	\$1.45 + .22 mfg. tax
11 x 14	\$2.65 + .40 mfg. tax
40" roll 10 yards	\$18.00 + .45 mfg. tax

IMPORTED EAGLE BRAND TRICHROME CARBRO BROMIDE PAPERS

Single Weight — Semi-Matte

EAGLE BRAND TRICHROME CARBRO BROMIDE PAPER

NORMAL GRADE — SINGLE WEIGHT
NO GELATIN OVERCOAT — MADE ESPECIALLY FOR CARBRO WORK



Keep in a cool dry place and open only in photographic darkness

Eagle Brand Carbro Bromide Papers are made specially for Trichrome Carbro work.

It is rich in silver of a long range and has no overcoat of gelatin above the silver emulsion. It is a single weight semi-matte stock.

The range will fit any negative from normal to contrast. This is a bromide paper and should be handled in a red or orange light. Developer should be between 68° and 70° F. Warmer developer will produce fog. Developed at low tempera-

tures, less than 50°, will not perform properly. Development should be complete in 1½ to 2 minutes. Time your exposures accordingly.

You may use any standard Metol-Hydroquinone paper formula such as EK Dektol.

PRICES

8 x 10	\$1.45 + .22
11 x 14	\$2.65 + .40
40" roll 10 yards	\$18.00 + .45

GENERAL INFORMATION

Before ordering paper check this page and make sure that you have given the quantity, size, surface and number of contrast and the weight of paper required. This will avoid delays and expedite delivery.

AZO This is a contact printing paper and is supplied in the following surfaces and contrasts:

Single Weight
Grade E (No. 0, 1, 2, 3, 4, 5) White lustre fine grained
F (No. 0, 1, 2, 3, 4, 5) White, glossy smooth
Double Weight
Grade E (No. 0, 1, 2, 3, 4, 5) White, lustre fine grained
F (No. 0, 1, 2, 3, 4, 5) White, glossy smooth

Athens is a contact printing paper of portrait quality producing prints of warmth, brilliance, and fine gradation. Supplied in double weight only.

Double Weight
B (No. 1, 2, 3) cream white, lustre smooth
G (No. 1, 2, 3) cream white, lustre fine grained
Y (No. 1, 2, 3) cream white, lustre silk

PORTRAIT

is a Single Weight developing-out paper of sufficient speed for projection printing. By reducing the wattage of printing machines, it may also be used for fast contact printing. For average negatives.

Single Weight
Grade R Cream white, lustre, tweed

ROYAL BROMIDE is suitable for commercial or photo finishing enlarging. Its speed is such that high wattage projection lamps are not required.

Single Weight
Grade F (No. 1, 2, 3, 4) White glossy smooth
Double Weight
Grade F (No. 1, 4) white, glossy smooth

BLACK & WHITE PROOF PAPER is a projection proof paper having the essential qualities of the paper on which the finished work is to be delivered.

(No. 2, 3) Medium Rough Luster, M.W.

VELOUR BLACK This paper is known for high speed in exposure. Speed, combined with remarkable fidelity to negative scale and simplicity in manipulation, makes this paper a most practical medium for prints by projection.

Single Weight
Grade A (No. 1, 2, 3, 4) White semi-matt
AL (No. 1, 2, 3, 4) semi-matt document
AS (No. 2, 3) White semi-gloss
N (No. 2) White matt
R (No. 1, 2, 3, 4) White Glossy
Double Weight
Grade B (No. 1, 2, 3, 4) Semi-matt
Illustro) BT (No. 1, 2, 3, 4) White semi-gloss
C (No. 1, 2, 3, 4) Velvet Grain Natural White lustre

OPAL

B Cream white, lustre, smooth
C Cream white, matte, smooth
G Cream white, lustre fine grained
H Cream, white, matt fine grained
K D.W. cream white high lustre fine grained
L cream white, lustre, fine grained
O Old Ivory, matt, fine grained
R cream white lustre, tweed
S Old Ivory, lustre, tweed
V cream white, matte, suede
Y cream white, lustre, silk
Z Old Ivory, lustre, tapestry

KODABROMIDE is a projection paper

SA (No. 2, 3) white lustre, smooth.

Light weight
A (No. 1, 2, 3, 4, 5) white, lustre, smooth.

Single Weight
E (No. 1, 2, 3, 4, 5) white, lustre, fine grained
F (No. 1, 2, 3, 4, 5) white, glossy smooth
N (No. 1, 2, 3, 4, 5) white, lustre, smooth.

Double Weight
E (No. 1, 2, 3, 4, 5) white, lustre fine grained.
F (No. 1, 2, 3, 4, 5) white glossy, smooth.
G (No. 1, 2, 3, 4, 5) cream white, lustre, fine grained.
N (No. 1, 2, 3, 4) white lustre, smooth
P (No. 1, 2, 3, 4, 5) Ivory lustre, fine grained.

Apex is a contact printing paper especially recommended for professional portraiture.

Single Weight
Grade A (No. 0, 1, 2, 3, 4, 5) White semi-matt

Double Weight
Grade B (No. 0, 1, 2, 3) Semi-matt
BB (No. 1, 2) White semi-matt
DL (No. 0, 1, 2, 3) Velvet grain Natural white luster
DS (No. 1, 2, 3) Velvet grain Natural White high luster
R (No. 1, 2, 3, 4, 5) white glossy
T (No. 0, 1, 2, 3) white glossy
Y (No. 0, 1, 2, 3) Cream, white silk

Double Weight
Grade DD (No. 2) White rough lustre
DM (No. 2) Velvet Grain natural white matt
DS (No. 2, 3) Velvet grain natural high lustre
QL (No. 2) Cream Super rough lustre
T (No. 1, 2, 3, 4) White glossy
Y (No. 1, 2, 3, 4) Cream white silk

PHOTOGRAPHIC PRINTING PAPERS

Azo, Velox F*, Velox Rapid F*, Studio Proof*, Portrait Proof*,
 Illustrators' Azo, Ansco Convira, Ansco Proof*, Ansco Projection Proof*,
 Apex, Defender B. & W. Proof*, Defender "Premordanted"

Size	Sheets Per Pkg.	S. W.	D. W.	Size	Sheets Per Pkg.	S. W.	D. W.
2½ X 2½	25	.35	.45	6½ X 8½	25	.92	1.20
	100	.54	.67		100	3.14	4.08
	500	2.15	2.81		250	.....	9.30
	5000	20.36	.....		500	13.07	.....
2½ X 3½	25	.35	.45	7½ X 9½	25	1.15	1.51
	100	.63	.81		100	4.04	5.25
	500	2.59	3.38		250	.....	11.94
	5000	24.53	.....		500	16.81	.....
2¾ X 4½	25	.35	.45	8 X 10	25	1.29	1.66
	100	.85	1.12		100	4.49	5.83
	500	3.51	4.57		250	.....	13.21
	5000	33.35	.....		500	18.65	.....
3½ X 4½	25	.35	.45	8½ X 11	10	.64	.83
	100	1.03	1.35		50	2.65	3.41
	500	4.25	5.53		250	10.97	14.26
	5000	40.15	.....		500	.....	.....
3½ X 5½	25	.45	.60	10 X 12	10	.83	1.05
	100	1.26	1.62		50	3.37	9.40
	500	5.18	6.72		250	14.60	18.17
	5000	49.01	.....		500	.....	.....
4 X 5	25	.45	.60	11 X 14	10	1.05	1.33
	100	1.26	1.62		50	4.31	5.61
	500	5.18	7.62		250	17.94	23.30
4 X 6	25	.50	.65	14 X 17	10	1.56	2.01
	100	1.48	1.93		50	6.69	8.62
	500	6.10	7.94		250	27.78	35.80
4½ X 5½	25	.45	.60	16 X 20	10	2.07	2.71
	100	1.44	1.84		50	8.89	11.53
	500	5.88	7.44		250	36.86	47.91
5 X 7	25	.84	.83	20 X 24	10	3.12	4.04
	100	2.11	2.74		50	13.19	17.14
	500	8.69	11.27		250	54.80	71.21
10' X 20"		1.70	2.10	30' X 20"		3.95	4.96
10' X 40"		2.86	3.51	30' X 40"		7.24	9.21

KODABROMIDE, CARBRO*, ATHENA**, ANSCO CYKON**, CYKORA
 ANSCO BROVIRA, DEFENDER VELOUR BLACK,
 DEFENDER VARIGAM

2½ X 3½	25	.40	.50	6½ X 8½	25	1.15	1.47
	100	.94	1.17		100	3.90	5.03
	500	3.81	4.92		250	.....	11.41
2½ X 4½	25	.40	.50		500	16.19	.....
	100	.99	1.26				
	500	4.08	5.27				

Post Cards

	Per 25	Per 100	Per 500	Per 5000
Azo	\$.55	\$ 1.66	\$ 6.67	\$ 61.62
Royal Bromide F No. 1	.74	2.24	9.21	85.58
Kodabromide F No. 1 and)				
Athena B No. 1, 2, 3)	.64	1.97	8.12	75.43
Velour Black				

ILLINGWORTHS DELUXE WHITE, SMOOTH. MATTE, NORMAL, SINGLE WEIGHT

Carbro transfers from ILLINGWORTH Bromide Paper holds all the highlight details frequently lost with papers not suited for this purpose, due to the fact that the paper is rich in silver, and has no gelatine overcoat. The fine performance of this paper, its suitability for use with either one or two bath sensitizers makes it your most valuable ally.

ILLINGWORTH DELUXE CARBRO
BROMIDE

8 x 10 Single Weight, per dozen	\$1.65
11 x 14 Single Weight, per dozen	3.04
Rolls, 10 ft. x 40 in.	8.25
Rolls, 10 yd. x 40 in.	23.10

Size	Sheets Per Pkg.	S. W.	D. W.	Size	Sheets Per Pkg.	S. W.	D. W.
3½ X 4½	25 100 500	.40 1.26 4.27	.50 1.62 6.76	8 X 10	25 100 250 500	1.61 5.56 23.12	2.01 7.18 16.23
3½ X 5½	25 100 500	.55 1.57 6.40	.64 1.97 8.25	8½ X 11	10 50 250	.78 3.28 13.80	1.01 4.22 17.55
4 X 5	25 100 500	.55 1.57 6.40	.70 1.97 8.25	10 X 12	10 50 250	1.01 4.17 17.34	1.29 5.39 22.38
4½ X 5½	25 100 500	.55 1.75 7.28	.70 2.24 9.39	11 X 14	10 50 250	1.29 5.34 22.24	1.65 6.91 25.10
5 X 7	25 100 500	.83 2.60 10.75	1.01 3.32 13.86	14 X 17	10 50 250	1.93 8.21 34.13	2.47 10.59 44.05
				16 X 20	10 50 250	2.57 10.99 45.72	3.30 14.18 58.96
				20 X 24	10 50 250	3.85 16.33 67.92	4.96 21.09 87.66

(PER ROLL)

10' X 20"	2.02	2.42	30' X 20"	4.74	5.93
10' X 40"	3.38	4.17	30' X 40"	8.82	11.19

ILLUSTRATORS* SPECIAL, PLATINO, OPAL, PLATINO**,

DEFENDER VOLTURA**, INDIATONE**, CHARCOAL BLACK***

5 X 7	25 100 500	.92 2.92 12.15	1.20 3.81 15.80	11 X 14	10 50 250	1.47 6.08 25.10	1.88 7.85 32.65
6½ X 8½	25 100 250 500	1.29 4.40 18.29	1.70 5.74 12.98	14 X 17	10 50 250	2.16 9.29 38.57	2.80 12.03 50.11
8 X 10	25 100 250 500	1.79 6.28 26.16	2.34 8.17 18.47	16 X 20	10 50 250	2.58 12.43 51.59	3.76 16.11 67.08
				20 X 24	10 50 250	4.36 18.44 76.69	5.64 24.01 99.73

(PER ROLL)

10' X 20"	2.19	2.68	30' X 20"	5.27	6.67
10' X 40"	3.73	4.65	30' X 40"	9.88	12.63

 * - Available in S.W. only
Weight-D.W. price

** - Available in D.W. only

*** - Medium

OZALID PAPER

Direct Positive Print reproduced direct from drawings. Made on tracing paper or tracing cloth. Ozalid gives direct positive prints without the use of negatives. Draw red lines on a white background. They are exposed to light the same as ordinary blueprint paper, but are developed dry with ammonia vapor. There is no washing or drying, therefore no shrinkage. Prints are reproduced true to scale.

No. 240 Medium Thick Paper			
10-yd. roll 30" wide	\$2.25	250 sheets 8 x 10	\$3.76
10-yd. roll 36" wide	2.55	250 sheets 12 x 18	8.80
250 sheets 8½ x 11	4.25	250 sheets 8½ x 13	5.00

VANDYKE SOLAR PAPERS

The Vandyke Solar Papers are unsurpassed for making Dark Brown Negative Prints, Positive Blue Prints, and Positive Dark Brown Prints on both paper and cloth.

In addition to producing prints that are clear, distinct and permanent, they possess the following valuable and desirable qualities:

1. Easily manipulated.
2. Print rapidly.
3. Save original tracings.
4. Do not become brittle.
5. Keep exceptionally well.
6. Reproduce Patent Office drawings quickly.

No. 327. Vandyke Solar Paper (Medium Thick)
(For Positive Prints—brown lines on white background)

Roll of 10 yds.	30 in.	36 in.	42 in.	54 in.
	\$3.75	\$4.35	\$5.00	\$7.50

SEPIA PENCILS



These new pencils will be in great demand, especially with professional photographers; just the thing for spotting Sepia prints. Made in two tints.

No. 2. Dark Sepia, each.....\$0.15
Per doz. 1.60

BLAISDELL NEGATIVE MARKING PENCIL



This is a valuable pencil for the photographer for retouching negatives on the glass side, and indispensable for working in detail, hair, lace and draperies; for holding back and building up deep shadows, strengthening high lights, and bringing out in relief such parts as do not show with proper definition. Pencils are encased in paper instead of wood, and are "sharpened" by pulling off a ribbon of paper.

Price\$0.15 Per doz.\$1.60

BLAISDELL CARBON SPOTTING PENCIL



Is something the photographer has long been looking for, as everyone knows what a tedious job it is to spot prints with the spotting brush. With one of our Carbon Spotting Pencils you can spot prints ten times faster than with the brush. Spots are invisible and will not leave a shine or rub off. It is just the thing for working in detail, eyelashes, filling in, etc. Can be used for spotting any kind of paper (except glossy).

Price\$0.15 Per doz.\$1.60

NO. 168 BLUE PENCIL FOR WRITING ON GLASS

This is a valuable pencil for the photographer for retouching negatives on the glass side. Being put on the glass side, these marks can be readily removed if desired, and do not injure the negative.

Price, each\$0.15

WHITE PENCIL

It writes white. Used for marking on folders, tilting on Album pages, etc.

Price\$0.10

WOLF CARBON DRAWING PENCILS

We are again able to supply the Wolf Carbon Drawing Pencils. These pencils have long been the favorite amongst photographers for photo spotting. With the Wolf Pencil it is possible to spot prints about ten times faster than with a brush. Spots are invisible and will not leave a shine.

Available in the following degrees: BBB, BB, B, HB, H and HH. Specify degree required when ordering.

Wolf Carbon Drawing Pencil Each \$.25

SCRIPTO GLASS MARKING PENCILS



Now a real black grease marking pencil which you can use all the way down. No unraveling of paper, no breaking off crayon points. Propels or repels at will, writes easily on glass, film, cellophane etc.

Comes in a Black Plastic refill holder with pocket clip. Refill leads can be bought in boxes of four leads each.

Price of holder with 5 black crayon leads \$.40

Price of refills 4 to a box black15

ACID PITCHERS

Chemical stoneware pitchers for acids. With large lips.

1/2 gallon, each	.....	\$4.00
1 gallon, each	.....	5.00
2 gallon, each	.....	8.50



Acid Pitchers

KODAK PLATES

33
33 MATTE
50
PROCESS
POLYCHROME
SUPER ORTHO PRESS

SIZE	DOZENS IN CASE	PRICE PER DOZEN	PRICE PER CASE
4 X 5	30	\$ 2.20	\$ 62.70
5 X 7	20	3.17	60.20
8 X 10	10	5.61	53.01
10 X 12	3	10.40	29.61
11 X 14	3	12.61	35.85

KODAK PLATES

PROCESS PAN
PANCHROMATIC
PANCHROMATIC MATTE
METALLOGRAPHIC
SUPER PANCHRO PRESS
PANATOMIC X

TRI X PAN TYPE B
TRI X PAN TYPE B MATTE
"M"
SEPARATION NEG. TYPE 1
SEPARATION NEG. TYPE 1 MATTE

SIZE	DOZENS IN CASE	PRICE PER DOZEN	PRICE PER CASE
4 X 5	30	\$ 2.51	\$ 71.40
5 X 7	20	3.66	69.40
8 X 10	10	6.39	60.60
10 X 12	3	11.94	33.99
11 X 14	3	14.50	41.25

KODAK LANTERN SLIDE PLATES - MEDIUM AND CONTRAST

SIZE	PRICE PER 3 DOZEN	PRICE PER CASE OF 90 DOZEN
2 X 2	\$ 3.44	\$ 3.26
3 1/4 X 4	4.63	131.70

KODAK LANTERN SLIDE PLATES - ANTI ABRASION CONTRAST

SIZE	PRICE PER 3 DOZEN	PRICE PER CASE OF 90 DOZEN
2 X 2	\$ 3.79	-----
3 1/4 X 4	5.11	\$ 145.50

3 1/4 X 4 1/2 OPAL PLATES ----- \$ 2.00 PER 1/2 DOZEN

INFRA RED SENSITIVE PLATES

<u>Size</u>	<u>Dozens in case</u>	<u>Price per Dozen</u>	<u>Case Rate One Doz.</u>
5 x 7	20	\$ 4.58	\$ 4.35
8 x 10	10	8.11	7.69
10 x 12	3	15.12	14.34
11 x 14	3	18.22	17.31
14 x 17	2	27.02	25.62
16 x 20	1½	44.56	42.26
18 x 22	1	50.58	50.58
20 x 24	1	61.19	61.19

KODAK PLATES

Kodalith Orthochromatic
Kodakline Contrast Process Ortho
Kodak Super Ortho-Press

Kodak 33
Kodak 33 Matte

<u>Size</u>	<u>Dozens in case</u>	<u>Price per Dozen</u>	<u>Case Rate One Doz.</u>
5 x 7	20	\$ 3.17	\$ 3.01
8 x 10	10	5.60	5.31
10 x 12	3	10.40	9.87
11 x 14	3	12.61	11.95
14 x 17	2	18.65	17.68
16 x 20	1½	30.72	29.14
18 x 22	1	34.90	34.90
20 x 24	1	42.22	42.22

KODAK PLATES

Panchromatic
Panchromatic Matte
Tri X Pan Type B
Tri X Pan Type B Matte

"M"
Separation Neg. Type 1
Separation Neg. Type 1 Matte
Kodakline C.T.C. Plates

<u>Size</u>	<u>Dozens in case</u>	<u>Price per Dozen</u>	<u>Case Rate One Doz.</u>
5 x 7	20	\$ 3.66	\$ 3.47
8 x 10	10	6.39	6.06
10 x 12	3	11.94	11.33
11 x 14	3	14.50	13.75
14 x 17	2	21.47	20.36
16 x 20	1½	35.35	33.52
18 x 22	1	40.13	40.13
20 x 24	1	48.57	48.57

EAGLE SQUEEGEE POLISHING SOLUTION

This solution is to be rubbed on the ferrotype plate. It absolutely prevents prints from sticking to the plate so that when the prints dry they peel off without tear or blemish and have a most magnificent glass polish.

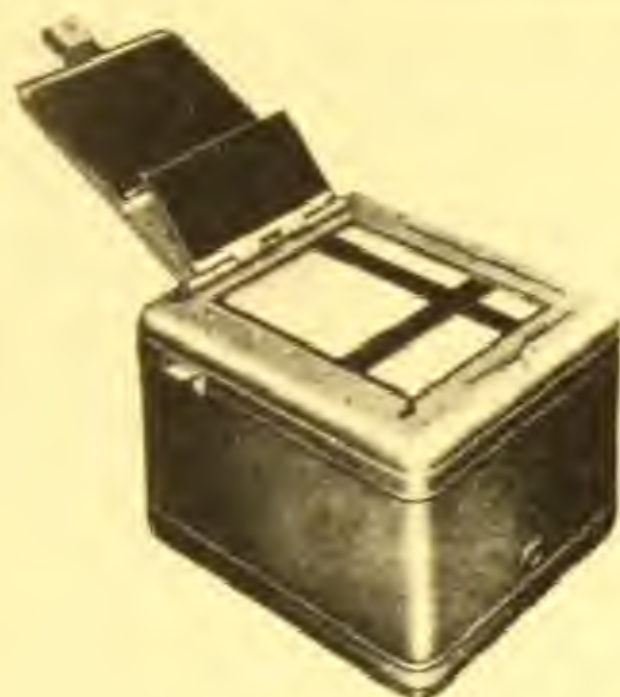
Per bottle.....	\$0.15
4 oz. bottle.....	.25
8 oz. bottle.....	.45
16 oz. bottle.....	.75
1 gal. bottle.....	1.00

DE LUXE PRINT PRESS

Takes up to 11" x 14" prints.
Laminated wood pressure plate
with metal reinforcements to
distribute pressure evenly.

Metal frame
Rugged construction
Easy to use
Dries prints flat.

Price \$12.00



AIREQUIPT CONTACT PRINTERS

AIREQUIPT JUNIOR

Takes negative 35mm. to 4x5 (postcard size, too). • Positive paper stop, automatic 3/16" margins. • Direct reading calibrations for accurate margins 3/16" to 5/8". • Top and left hand margins set simultaneously. • Specially processed high diffusion glass eliminates hot spots. • Felt covered split platen, automatic switch. • Finger tip pressure opens and closes cover. • Stainless steel sliding masks, streamlined all-steel construction.

\$9.99

AIREQUIPT PHOTOCRAT

Use as a Viewer, Retouching Stand or Safelight

• New Type sliding masks; switch locks in "on" position. • 4 1/2" x 5 3/4" aperture for prints 35mm through post-card. • Automatic 3/16" margin, positive paper stop. • Direct reading calibrations give accurate margins 3/16" on up. • Specially processed high diffusion glass eliminates hot spots. • Felt covered split platen; streamlined all metal construction.

\$13.30



BRUMBERGER CONTACT PRINTER

Precision Built, Engineered to Render a Lifetime of Darkroom Service

No. 1507 — Features include . . . instantaneous, on-off light switch action. • Split-Cover with continuous hinge . . . sure hold for each half of door. • Sponge Rubber Pads. • Opal Glass for perfect light diffusion (no hot spots). • Perfect adjustments for margins. • Easy access to bulbs. • Ample ventilated . . . heavy gauge steel housing, spot-welded for strength and durability. • Approved rubber covered wire and plug. • Attractive, grey, wrinkle enamel finish. • Supplied with one Red 7 1/2 Watt bulb.

\$24.48



COMPCO CONTACT PRINTERS

Model No. 280 Standard — Takes all size negatives . . . 35mm to 4x6" including postcard size 3 1/4 x 5 1/2, also glass plates. • Has yellow-green Glass Indicator window.

\$8.11

Model 360 Argon — Takes negatives from 35mm to 4"x6". • Has four spring steel masking bands. • Indicator window for telling when to start timing. • Easy to grasp, large plastic platen knob. • 4 Lamp switches.

\$15.53



MODEL No. 280 STANDARD



MODEL No. 360 ARGON

4 x 5 VARSITY PRINTER for use with any Incandescent light source



Now, every amateur can afford the convenience of a printer. The new low-price Varsity 4 x 5 Printer incorporates the basic features that have made the use of printers so necessary in the contact printing of pictures—both as to quality and convenience.

The Varsity Printer is constructed entirely of metal.

Accommodates negatives from 35mm to 4" x 5".

Has paper and negative stops assuring straight and uniform borders.

Two movable masks provide border adjustments.

Hinged platen covered with sponge rubber insures uniform pressure.

CHAMPION PRINTER



ALL THAT THE NAME IMPLIES . . . A WINNER

5X7 PRINTER

Hinged masking frame with pressure bar to keep negative in position. Four masking blades.

Paper guide for even placement of paper. Dual spool take-up for roll printing. Takes all sizes and types of spools.

Push-button release; full-floating split platen with six pressure points. Spring loaded handle.

Transparent rulers for easy reading; two-point light source; socket for pilot safe light; door in front with sliding ground glass for easy reading.

Adjustable from zero opening to 5x7 inches.

\$21.95 tax included

8X10 PRINTER

Equals the 5x7 in construction and fine points

Has built-in Rheostat control

Sturdy performance

Low price

Takes all negatives from 2 1/4 x 3 3/4 to 8x10

\$30.50 tax included



BOTH PRINTERS ARE ALL METAL OF BEAUTIFUL FINISH AND HAVE NON-SCRATCHING RUBBER FEET



SUPERB METAL PRINTER

5 X 7

Has metal masking arm adjustable to any size up to 5x7

Automatic switch; heavy spring for pressure on platen.

Can use either two 25 or 40-watt lamps and pilot light.

Price \$13.16 — tax incl.

(lamps not supplied)

Kodak Home Printer

Prints from negatives up to 4 x 5 1/2 inches with excellent results. It has all the controls needed for successful snapshot printing—and other features usually found only in expensive printing equipment. **\$12.50.**



Kodak All-Metal Printer

A compact, efficient unit for those who seek the best in contact printers. Accepts negatives up to 4 x 5 1/2 inches and paper through 5 x 7 inches. Well worth the price. **\$22.50.**

APAC NO. 24 PRINTER

Apac No. 24 is indispensable for mass production of the so-called 3"x4" "larger prints" from popular films including the miniature ones. Will handle all the films in the range of Memo to No. 116 or parts of larger negatives. The chance over from one size film to another is made in a few seconds and no focusing is required. The Apac Printer will produce quality prints on any paper on the market from a slow contact to a fast bromide at a speed of a foot operated contact printer.

All metal construction, height 4 feet, weight approximately 100 lbs., floor space 13"x17".

Chart of Prints Produced on APAC No. 24

Films	Prints
No. 116	3 1/2 x 5 3/4
No. 120	3 1/4 x 4 1/2 and 4 x 6
1/2 No. 116	2 1/4 x 3 3/4
1/2 No. 120	3 1/4 x 4
Rolleiflex	3 1/4 x 3 1/4
No. 127	4 x 6 and 3 x 4 1/2
1/2 No. 127	3 1/4 x 4
Bantam	3 1/4 x 4 1/2
Univex	3 1/4 x 4
Leica (35 m/m)	3 x 4 and 3 1/4 x 4 3/4
Memo	2 1/2 x 3 1/8

APAC PRINTERS

		Standard	F.E.T.	Master	F.E.T.
Model 24 EK, 46, 57 ...	63116-21	399.00	63.00	494.00	78.00
Model 246	63124-5	441.75	69.75	536.75	84.75
Model 68-U	63127-8	456.00	72.00	551.00	87.00
Model 81-U	63130-31	470.25	74.25	565.25	89.25
Electronic Timer		90.25	14.25	.....	.....

F.O.B. Greenfield, Mass.

NO. 8 8 x 10 EASTMAN PROFESSIONAL PRINTER MODEL 2

The Eastman No. 8 Printer has a number of distinct advantages readily appreciated by professional photographers. Three-inch metal masking slides operating on a track flush with the printer top permit rapid masking of film or plate negatives up to 8 x 10 inches. White margin prints may be made on paper as large as 14 x 17 inches. Other features of the printer are a drop door for dodging or vignetting, moulded rubber platen, automatic and hand operated. Substantially constructed and finished in grey enamel.

Price \$67.67

PRINTING FRAMES

Printing Frame has a two-section, removable, hinged back. Clamps on each section insure uniform contact between paper and negative. Each frame is supplied with a glass.

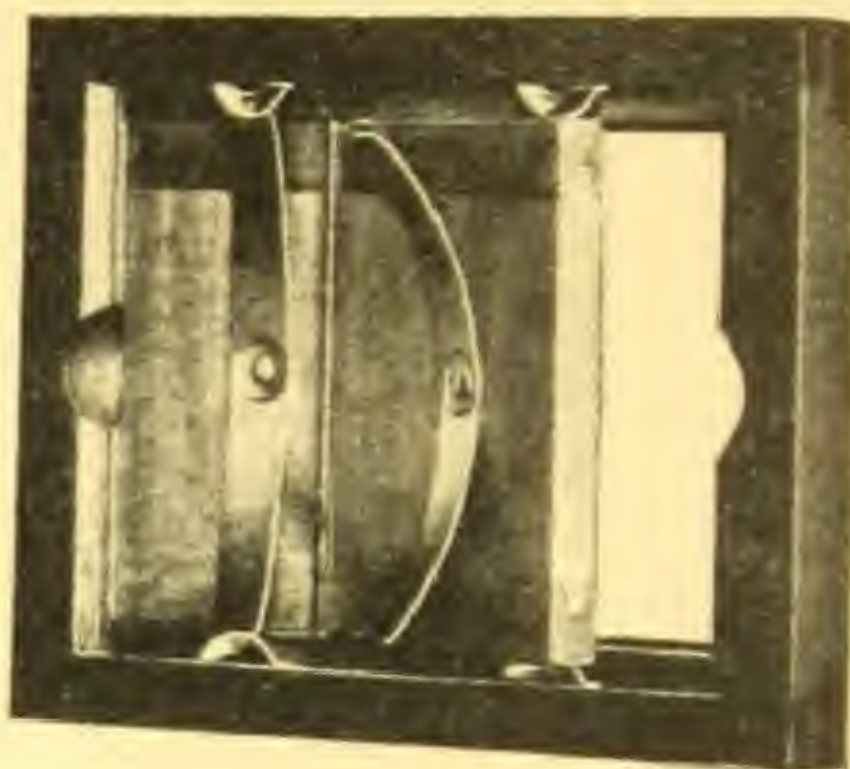
3 1/4 x 4 1/4	\$1.34
4 x 5	1.55
5 x 7	1.68

TAX INCLUDED

PROFF. HEAVY WEIGHT PRINTING FRAMES

The backs of sizes up to and including 8 x 10 open two-thirds and have a piano hinge, while larger sizes open half and have butt-hinges. Strong springs of tempered steel. Constructed of thoroughly seasoned hardwood with corners lock jointed.

5 x 7	\$6.40
8 x 10	8.50
11 x 14	10.65
14 x 17	11.30
20 x 24	21.70



STEREO TRANSPOSING PRINTING FRAMES

Through a fortunate purchase we are able to supply the various sizes of transposing frames as listed below.

The use of the transposing frame in making prints from stereo negatives eliminates the cutting and pasting of prints in order to secure perfectly aligned views.

45 x 107 mm.	\$1.25
6 x 13 cm.	1.25

Can be used for printing one exposure at a time.

AUTO-MASK PRINTING FRAME

An adaptation to a printing frame of the masking principle of the highly successful Kodak Amateur Printer. Will accommodate negatives of any size up to and including 4x5 and 3 1/4 x 5 1/2. It is a very simple matter to adjust the mask for uniform masking of any negative you care to use, a graduated scale attached to the stationary guide aiding in sizing and holding exact dimensions of the mask openings.

Price\$2.69



STRIP PRINTING FRAME

This handy Printing Frame will print six 35mm Miniature Negatives at a clip. Ideal for quickly turning out contact prints of your miniature negatives. Slit at both ends so film may be printed without cutting from roll. Constructed of finest hard wood in natural finish.

Price\$3.25

EAGLE PRINT PADDLE

A handy and practical print-room accessory. Made of hard rubber, and is therefore acid and chemical proof. Of exactly the right shape for the proper immersion of prints in the fixing bath. Length 12 inches.

Each \$1.25



STAINLESS PRINT ROLLER



Rigid and Sparkling Stainless Steel
Bracket

Solid Ground-Rubber Roll

Stainless Steel Bearing

Beautiful Natural Finish Handle

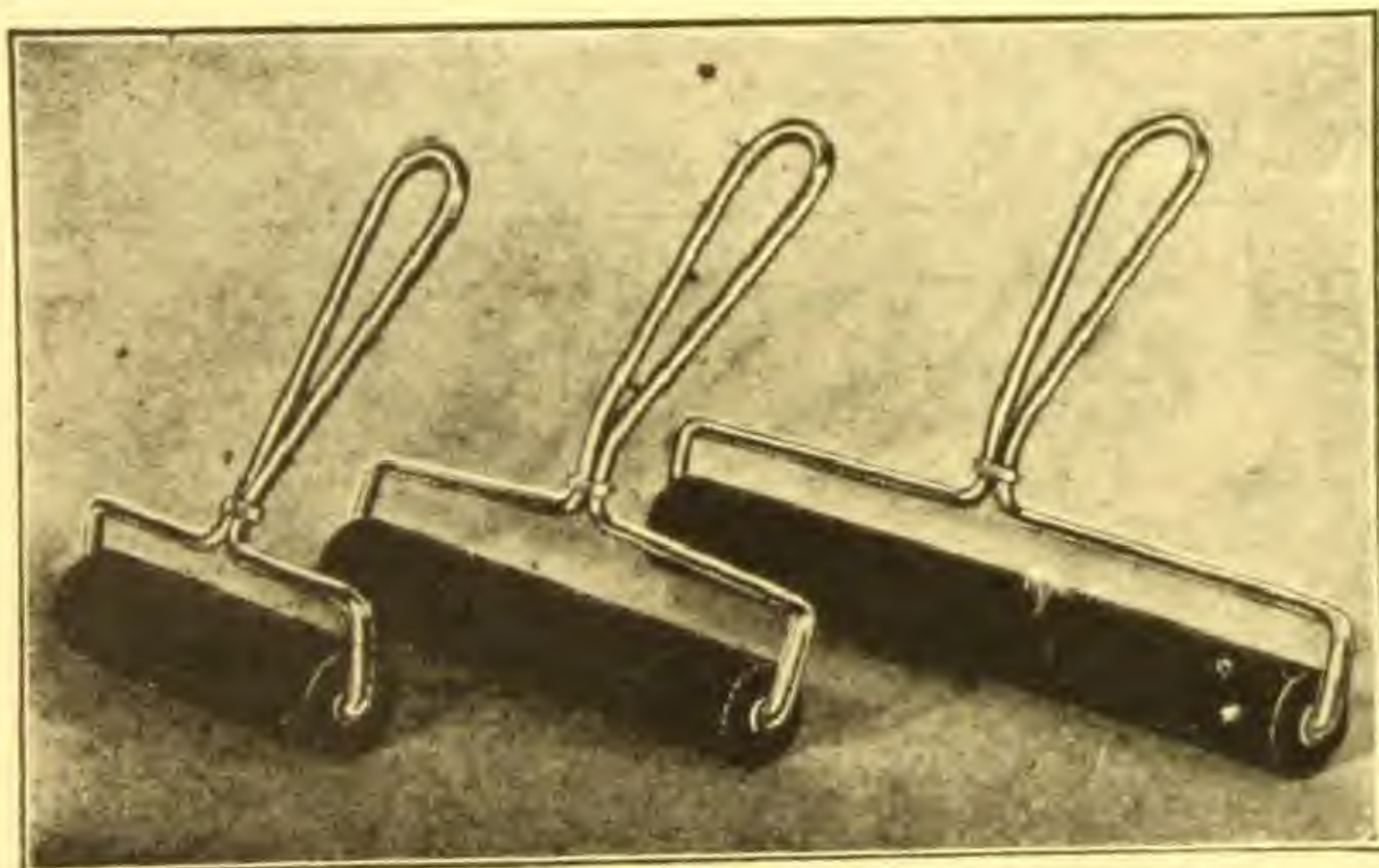
Modern Design

Suitable for the Professional--
Priced for the Amateur.

4 in. size \$.60

6 in. size \$.90

EZYROLL PRINT ROLLERS



A moderately priced durable print roller built to give years of service. The roller is made of good quality cushion rubber. The strong wire handle is built to fit the hand enabling the user to exert heavy pressure when needed. Furnished in three popular sizes.

Price—Tax
included

4" roller.. \$.45

6" roller.. .67

8" roller.. .90

DeLUXE BALL BEARING PRINT ROLLERS

A popular heavy duty print roller in modernistic design. Constructed of tubular aluminum alloy. The axle, in a sleeve type bearing, provides continuous even pressure in operation. Roller is covered with 5/16" rubber covering.

Price—Tax included

6" roller	\$3.05
10" roller	4.15

DOUBLE PRINT ROLLER NO. 1

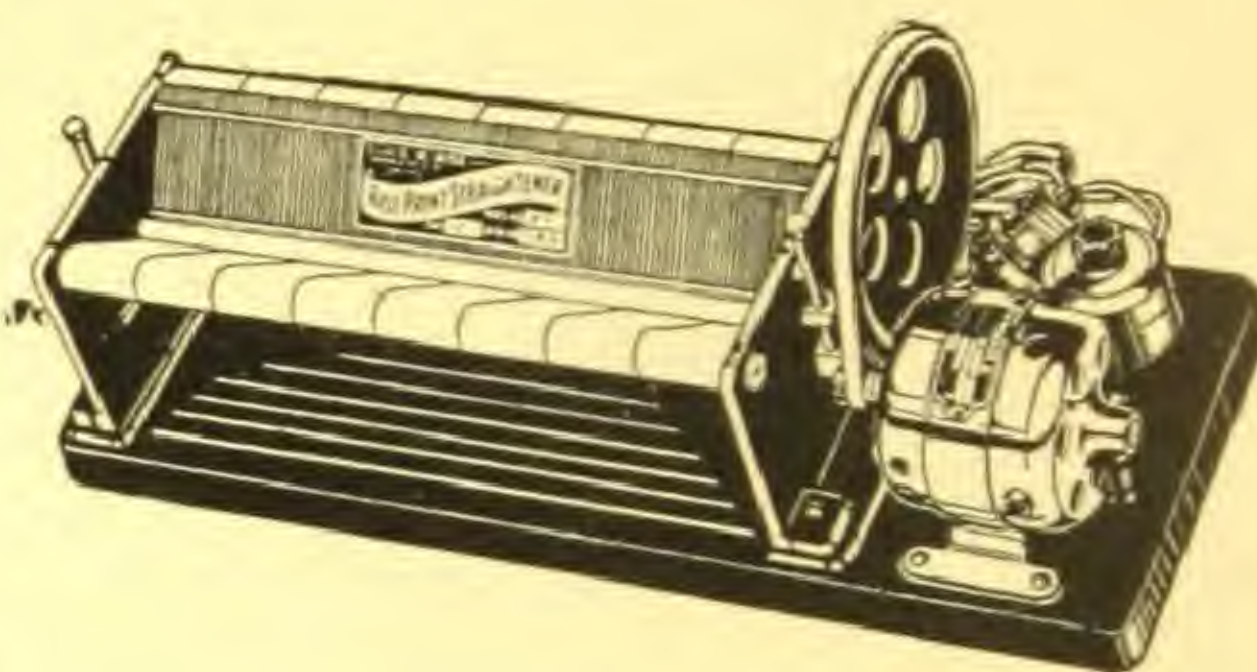
Eight-inch rolls covered with first-quality heavy white rubber; both rolls hang exactly true, insuring perfect contact with the print. The solid, heavily nicked handle affords a strong, firm grip. Weight, five pounds. Price, each \$9.18

**RISE PRINT STRAIGHTENER**

A moderately priced, efficient straightener of revolving belt type. Excellent for taking the curl out of double-weight prints before mounting.

Tax included

- 4-A — Motor-driven,
for prints up to 12
inches \$75.00
- 6-A — Hand-driven, for
prints up to 12 in. 51.25
- 5-A — Motor-driven,
for prints up to 18
inches 93.75
AC or DC

**STRAIT-O-GLOSS**

(Trade Name Registered)

Strait-O-Gloss is used for glossy prints as a straightener and high gloss solution. Glossy prints have a tendency to curl as they come off the dryer. However, by immersing the prints in the solution, as prescribed, before they are put on the dryer, the prints roll out straight.

In addition to its straightening function, the solution also gives the glossy prints an improved high gloss.

PRICES

16 oz. makes 160 oz.	\$1.25
32 oz. makes 320 oz.	2.00
1/2 gallon makes 640 oz.	3.25
1 gal. makes 1280 oz.	6.00

PHOTO-FLAT PRINT FLATTENER

The Effective, Simple Method to Flatten Curled and Buckled Prints.

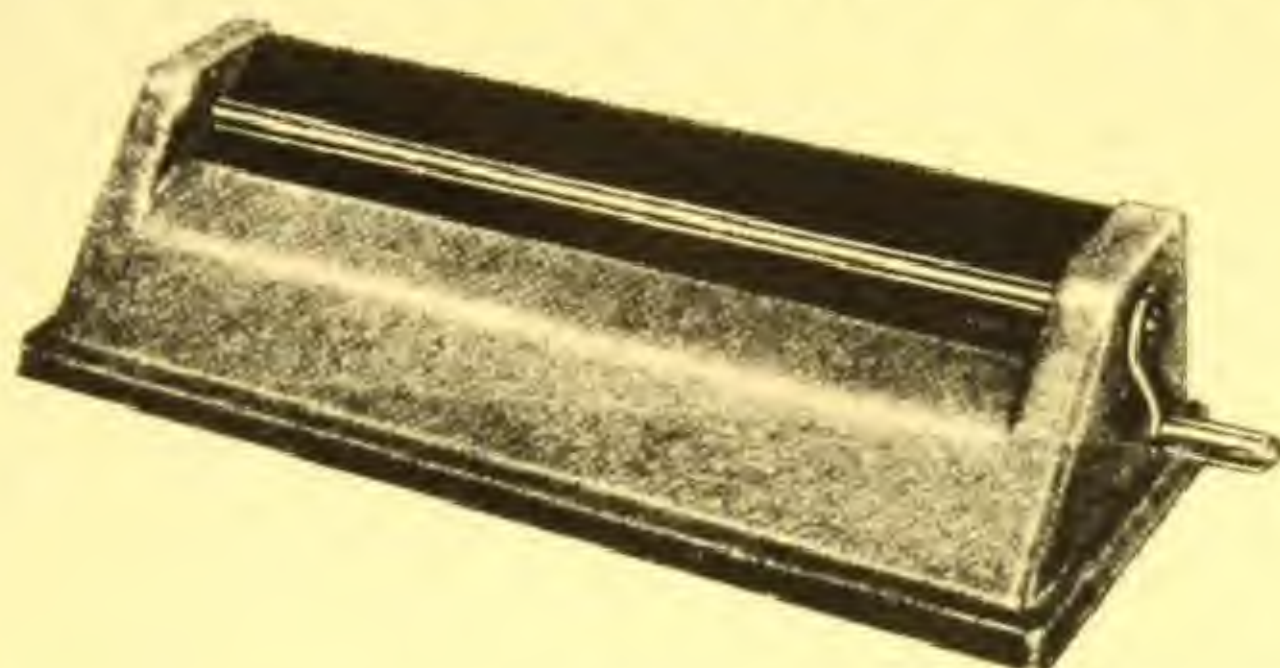
Take quantity required from bottle, place in receptacle in hot water. Apply with a tuft of cotton or a piece of soft cloth on back of each print. Directions on each bottle.

Tested and used by the leading photographers of the United States.

4-ounce bottle \$0.50
Pint bottles 1.00

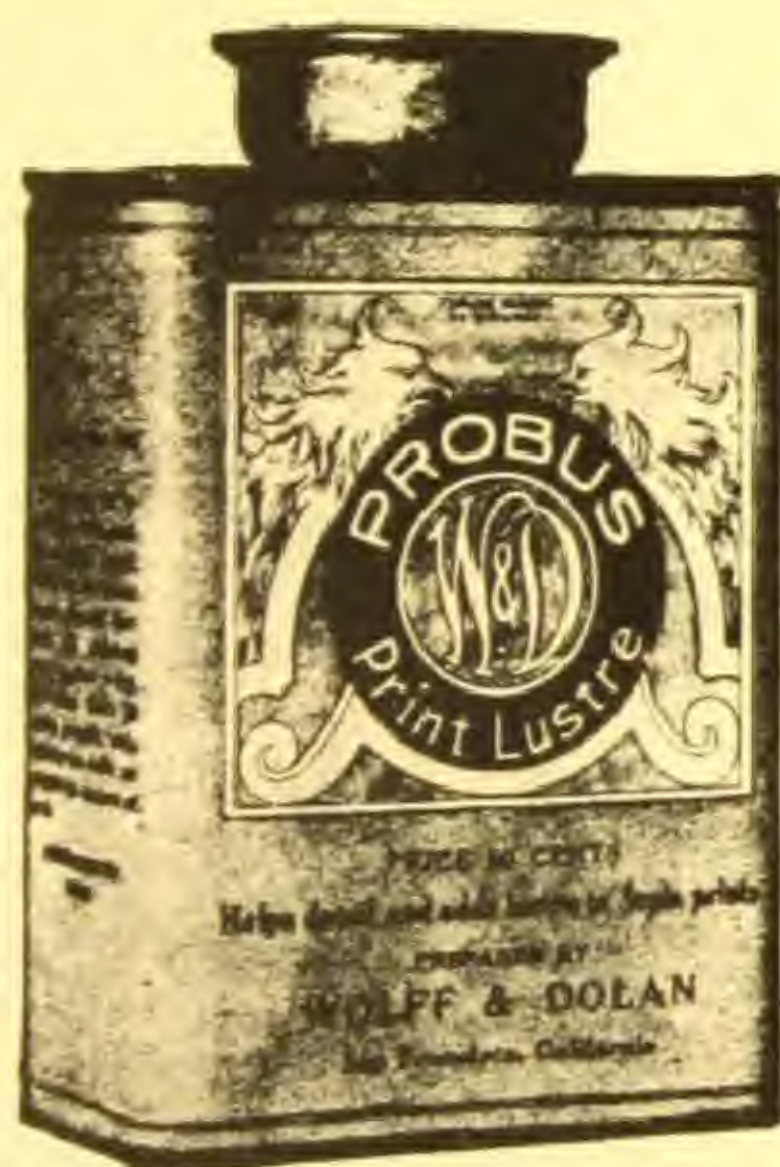


MORSE PRINT STRAIGHTENER M-45



A manually operated sponge rubber feed rolled and polished stainless steel curling roll deliver prints (including 8" x 10") with a lasting reverse curl. Mohair covered guide strips protect print surface. Ball bearing construction and heavily weighted base for long life and easy operation. Now available.

\$12.50—\$2.68 Excise Tax

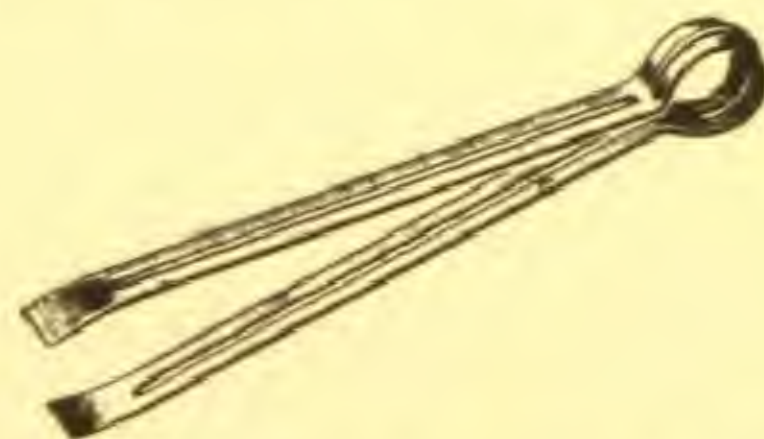


PROBUS PRINT LUSTRE (Waxing solution)

Probus Print Lustre adds brilliancy and depth to the shadows, and adds a lustrous finish to portrait prints. It adds detail and is especially effective on toned or re-developed papers. Invaluable for cleaning soiled photographs or renovating old prints for copying.

Probus Print Lustre—8 ounce size \$0.75

STUDIO STAINLESS STEEL PRINT TONGS



Nine inch stainless steel print tong, impervious to any photographic chemical.

Will not rust or corrode, light, yet constructed so as not to break or bend, in short, this tong will last a lifetime.

40 CENTS EACH — PAIR 75 CENTS

EAGLE PRINT TONGS

These tongs are designed for handling prints in the developer and hypo. They are as dexterous as one's fingers, and therefore obviate the necessity of placing the hands in the developing and fixing solutions. Their use insures clean hands and clean prints. No stains either on the hands or on the prints. One is stamped "developer" and the other "hypo." They will soon pay for themselves in the prints they will save. The Eagle Tongs have knob ends which prevent their slipping into the tray when not in use. Always specify whether the "Developer" or the "Hypo" tongs are desired.



Each \$0.25

MATCO HAND-ADJUSTABLE STAND**Ideal for All Types of Projectors**

Lightweight—Sturdy—Safe—
Attractive



Folds flat with one easy motion

Solid plywood top and shelf

Covered with water-proofed simulated leather

Trimmed with plastic binding and colored nails

Rubber tipped, non-slip

MODEL No. 3000

Recommended for slide and Silent Projectors

A beautiful stand; will hold any silent 8 or 16 mm. projector, has shelf to hold extra reels, folds for storage, light, compact and durable. Constructed of $\frac{3}{4}$ " polished aluminum aircraft tubing, with $10\frac{5}{8}$ " x $18\frac{1}{2}$ " top and 11" x 11" shelf. Measures 35" high and can be raised to 40". Just the stand to make home projection of movies a pleasure. It weighs 9 pounds packed for mailing.

Price \$9.45
MODEL No. 4000

Recommended for all Sound Projectors

An attractive heavy duty stand, additionally braced to hold any projector regardless of weight. Rigid, sturdy, and well constructed of $\frac{7}{8}$ " polished aluminum aircraft tubing. It folds easily for storage. It has a $13\frac{1}{2}$ " x $21\frac{1}{2}$ " top, to hold any size projector and a 12" x 12" shelf that will accommodate up to 2000 foot reels. It stands 36" high and may be raised to 40". Just the stand to answer all needs for sound film projection. It weighs 13 pounds packed for mailing.

Price \$15.95



Kodaslide Projector, Model 1A

Inexpensive, easy to operate. Projects images up to 84 inches wide. With 4-inch $f/3.5$ lens, **\$27.50**. Projecto Case, \$10.



Kodaslide Projector, Model 2A

A modern, medium-priced projector, supplied with a Kodak Projection Ektanon Lens, 5-inch $f/3.5$. Price, **\$47.50**. Accessory $7\frac{1}{2}$ -inch lens, \$26.50.



Kodaslide Table Viewer

Shows miniature color slides the new, easy way. Gives brilliant images in full room light. Projector, screen, and slide changer combined in a single unit. Ideal for small group shows. **\$95**. Carrying case, \$27.50.

KODASLIDE PROJECTOR, MASTER MODEL-

above. Power-cooled, 1000-watt, with a high-efficiency *Lumenized* optical system that really puts sunshine into the screen pictures. Ideal either for home use or for lecture use in the largest halls or theaters. Choice of five superb Kodak Projection Ektar or Projection Ektanon Lenses, *Lumenized*, with apertures up to $f/2.3$. Price, \$181 up,



Kodaslide Changer

Simplifies loading and unloading slides—gives easy, smooth color shows. Fits Kodaslide Projectors, Models 1, 1A, 2, and 2A. **\$17.50**.



Combination Case for Kodaslide Projectors, 2 or 2A (below)

Holds projector, Kodaslide Changer, slide files and spare lamps. **\$15**.



Kodaslide Compartment File

Accommodates 240 2 x 2-inch slides by subject groups. Easy-reference index in cover. **\$3.75**.



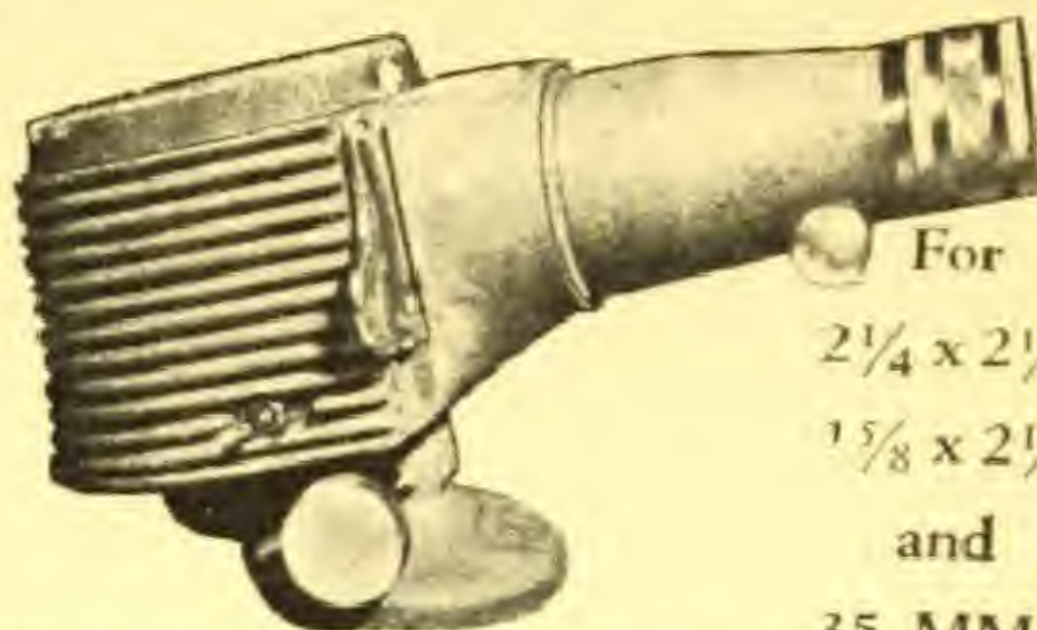
Kodaslide Sequence File (above)

Makes storage and handling of slides easy. Holds 45 glass or 125 cardboard slides. **\$6**.



DIAMANT PROJECTOR D-1

FEATURES



OVERALL DIMENSIONS 5 x 15 x 8

- For
 $2\frac{1}{4} \times 2\frac{1}{4}$
 $1\frac{5}{8} \times 2\frac{1}{4}$
 and
 35 MM
 Slides
- 8" F:4.5 coated Dianastigmat lens
 150 watt of brilliant uniform light
 Highly polished metal convex reflector
 Hairline focusing
 Positive quick action tilting
 Cool operation
 Automatically self-centering slide carrier
 Operates on AC or DC current
 Pemantized gray wrinkle finish

A beautifully designed, cool operating slide projector, constructed of all Aluminum Casting for long satisfactory service. Brilliantly projects $2\frac{1}{4} \times 2\frac{1}{4}$, $1\frac{5}{8} \times 2\frac{1}{4}$ and 35 mm as well as Bantam Slides. Diamant features make this projector a real pleasure to use, all controls are oversize and conveniently accessible. Excellent for use in the home, classrooms, church—wherever brilliant projection of color slides is desired. . . .

PRICE \$59.50

A SMARTLY DESIGNED, sturdily constructed carrying case with built in compartment for slides \$10.95

 $2\frac{1}{4} \times 2\frac{1}{4}$ JIFFY SLIDE BINDERS

THE ORIGINAL precision made glass slide binder complete in one piece—per box of 12 \$1.25

DICO SUPPLEMENTARY LENS for changing focal length of the 8" DIANASTIGMAT lens to a 6" focal length \$6.00

GOLDE MASTER PROJECTOR



Takes $3\frac{1}{4} \times 4\frac{1}{4}$, $2\frac{1}{4} \times 3\frac{1}{4}$, $3\frac{1}{4} \times 4$, and 2×2 " glass slides; takes 2×2 " cardboard mounts with accessory 2×2 slide adapter; takes double and single-frame 35 mm film with accessory Filmatic projection head; weighs 12 lbs.; rotating head; $6\frac{1}{2}$ -inch coated lens; helical focusing; condensers adjustable; 9 and 12-inch lenses available; 500-watt medium pre-focus lamps; line voltage, 110 to 120 a-c; 2-place slide carrier; self-rewind film carrier; tilting and frame-centering devices. Price, \$69; price of case, \$12.

GOLDE MANUMATIC

Takes 2×2 " glass slides and cardboard mounts; takes Bantam 828 film; projects vertical or horizontal double and single-frame 35 mm film; rotating head; 5-inch coated lens; helical focusing; condensers adjustable; 2, 4, and 7-inch lenses avail-



able; 300-watt T-8 or T-8 $\frac{1}{2}$ lamp; motor driven blower; automatically stacks 50 paper or 20 glass slides; self-rewind film carrier; tilting device; framing device. Price, \$52; case, \$10. Accessories include projection head for 35 mm strip film.

GOLDE FILMATIC



Takes 2×2 " glass slides and cardboard mounts; double or single-frame 35 mm film; rotating head; 5-inch coated lens; helical focusing; adjustable condensers; same features and characteristics as the Manumatic model. Price, \$78; case, \$10. Accessories same as Master model.



Slidette-150

2" x 2" Slide Projector

The Lowest-Priced
Dependable Projector
on the Market

150-watts



Ideal
for Color
IMMEDIATE DELIVERY!

Only
\$27⁷⁵

At this sensationally low price no color fan should be without his own slide projector. Small, but ruggedly built, the S.V.E. Slidette-150 gives a brilliant screen image. It is equipped with a precision optical system, ground and polished condensers and a 5" Achromatic lens. Covers double-frame and full Bantam frames. The Slidette-150 is S.V.E. engineered and guaranteed to give you years of satisfaction and service. Smartly styled—attractively packaged in durable carrying carton.

S.V.E. Projectors

Model AAA 300w with takeup and with case	80.00
Model AAA 300w without takeup and with case	74.30
Model DD 150w with takeup and with case	68.50
Model DD 15w without takeup and with case	62.80
Model AK 300w with case	62.90
Model RK 100w with case	35.95
Model G 300w with takeup and with case	65.75
Model G 300w with takeup and without case	62.90
Model F 200w without takeup and with case	48.60
Model F 200w without takeup and without case	45.75
Model Q 100w with case	31.40
Model Q 100w without case	28.55

argus Projectors

PA-100 PROJECTOR

\$27.75. Carrying Case \$4.10 when purchased with Projector. Film-strip holder \$3.95. 100 watts.

PA-200 PROJECTOR

\$32.85. Low cost, 200 watt brilliance. Carrying Case \$4.10 when purchased with Projector. Film-strip holder \$3.95.

PA-300 PROJECTOR

\$75.00 including Carrying Case. Equally suited for home, school or lecture hall. 300 watts.

GOLDE MANUMATIC

Takes 2x2" glass slides and cardboard mounts; takes Bantam 828 film; projects vertical or horizontal double and single-frame 35 mm film; rotating head; 5-inch coated lens; helical focusing; condensers adjustable; 2, 4, and 7-inch lenses avail-



able; 300-watt T-8 or T-8½ lamp; motor driven blower; automatically stacks 50 paper or 20 glass slides; self-rewind film carrier; tilting device; framing device. **64.48**



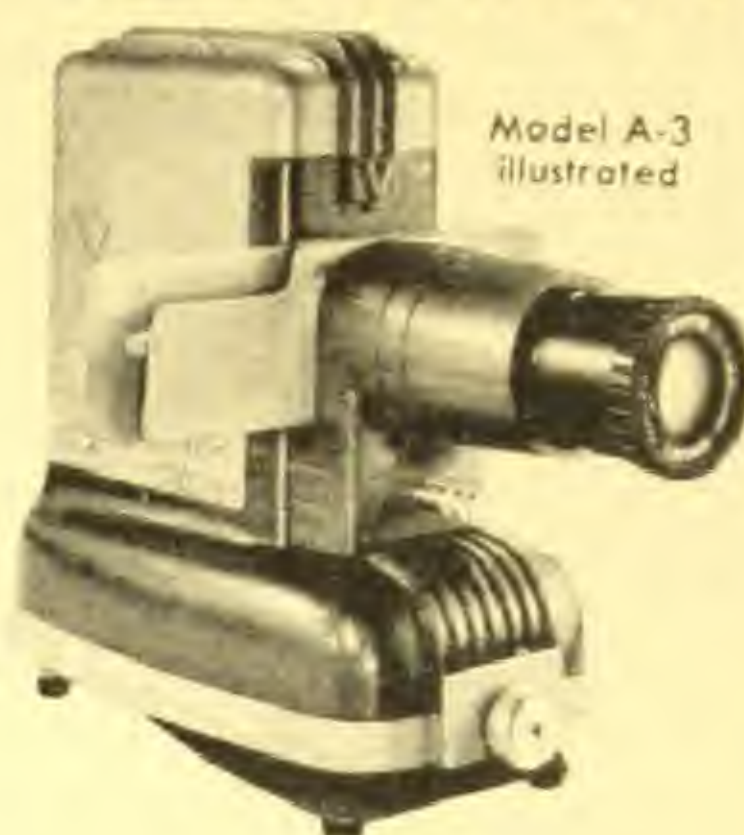
FILMATIC PROJECTOR — 300 watts of blower cooled light for single and double frame filmstrip and 2 x 2 (35mm.) color and B & W slides. Automatic Rewind.

With lamp and case **\$86⁷⁵**



With lamp, case and attachments **\$167⁷⁵**

AMERICA'S FINEST LOW PRICED PROJECTORS

Model A-3
illustrated

- 5" coated, fully corrected anastigmat lens • Self-Centering Slide Changer • Handsome two-tone finish, etc.

Model A-1, 150 watt AC-DC \$29.75

Model A-2, 200 watt AC-DC \$36.50

Model A-3, 200 watt AC only,

BLOWER-Cooled **\$46.50**

DELUXE LINE



- 5" f/3.5 coated, anastigmat lens • Smooth Micro-sharp focusing • New concentrated projection brilliance.

Model B, 150 watt AC-DC \$39.75

Model C, 300 watt AC-DC \$49.70

Model D, 300 watt AC only,
Blower-Cooled**\$62.20**

THE 2 1/4 x 2 1/4 PROJECTOR



- 6" f/3.5 coated anastigmat lens • Takes 120 or 620 film transparencies • UNIFORM, brilliant illumination.

Model RN, 150 watt AC-DC \$59.75

Model RO, 300 watt AC-DC \$69.70

Model RP, 300 watt AC only,
Blower-Cooled**\$82.20**

MEETS ALL PROFESSIONAL NEEDS

Professional
Model "750"
illustrated

Made for high light-output and hard usage. The perfect answer to a professional's exacting demands.

- 5" f/3.5 coated anastigmat lens • Brilliant, concentrated light throw • Powerful cooling system.

*Professional Model "500"— 500 watts AC only, axial flow fan \$99.50

*Professional Model "750"— uses either 750 or 1000 watt lamp, AC-DC, Centrifugal Blower-Cooled **\$150.00**

*Available to accommodate both 2"x2" and 2 1/4"x2 1/4" slides. \$20.00 additional

AMAZING STEREO VIVID PROJECTOR



Breath-taking, true-to-life realism in every slide. Projections that actually "walk off the screen." Handles proposed American Standard, 2" x 2" or Stereo Realist slides.

- Two matched 5" fully color corrected, coated, anastigmat lenses.

- Twin BLOWER-Cooled 500 watt lamps with independent controls • Dual condensing system

\$165.00

TDC Stereo Screen. Designed for stereo projection \$39.75

Selectron AUTOMATIC Slide Changer



Makes any TDC Vivid Slide Projector an Automatic slide projector. Handles any type of slide mount—

intermixed in any combination.

Exclusive features never before incorporated in an automatic changer. Complete with one Selectray **\$25.00**

Selectray files.. \$1.50 each

DeJUR MODEL 750 PROJECTOR

With Reverse Action

750 watt (750 watt lamp supplied)
still projection
runs movies backward
centralized controls
rapid rewind
lateral lamp adjustment

139⁵⁰
Fed. Tax Incl.

- 400-ft. reel capacity
- AC-DC universal motor
- variable speeds
- easy to clean
- swing-out gate
- removable condensers



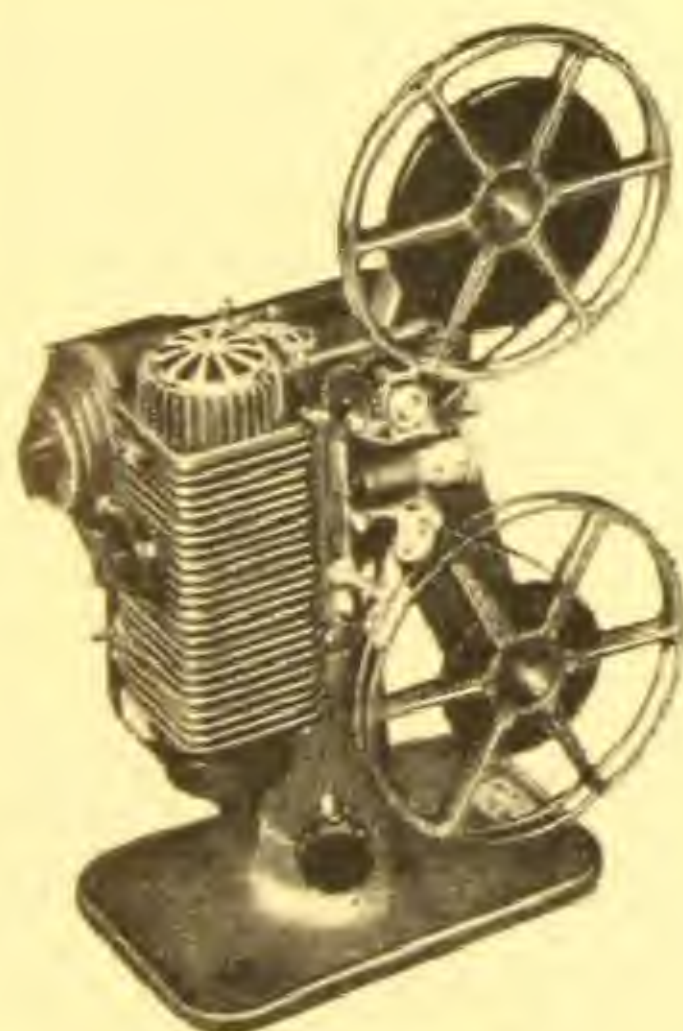
DeJUR MODEL 1000 PROJECTOR

With Reverse Action

1000 watt capacity (750 watt lamp supplied)
still projection
runs movies backward
automatic power-cord reel in base
lateral lamp adjustment
removable condensers

159⁵⁰
Fed. Tax Incl.

- 400-ft. reel capacity
- AC-DC universal motor
- variable speeds
- centralized controls
- swing-out gate



REVERE "85"
8mm PROJECTOR

REVERE "85" 8mm PROJECTOR *Most Popular Home Projector!*

Revere "85" is the ideal projector for home use. It gives "theatre quality" performance . . . extreme steadiness of operation. Owners appreciate its easy threading . . . double-blower cooling system . . . fast automatic re-wind . . . and other features that assure safe, smooth, brilliant projection.

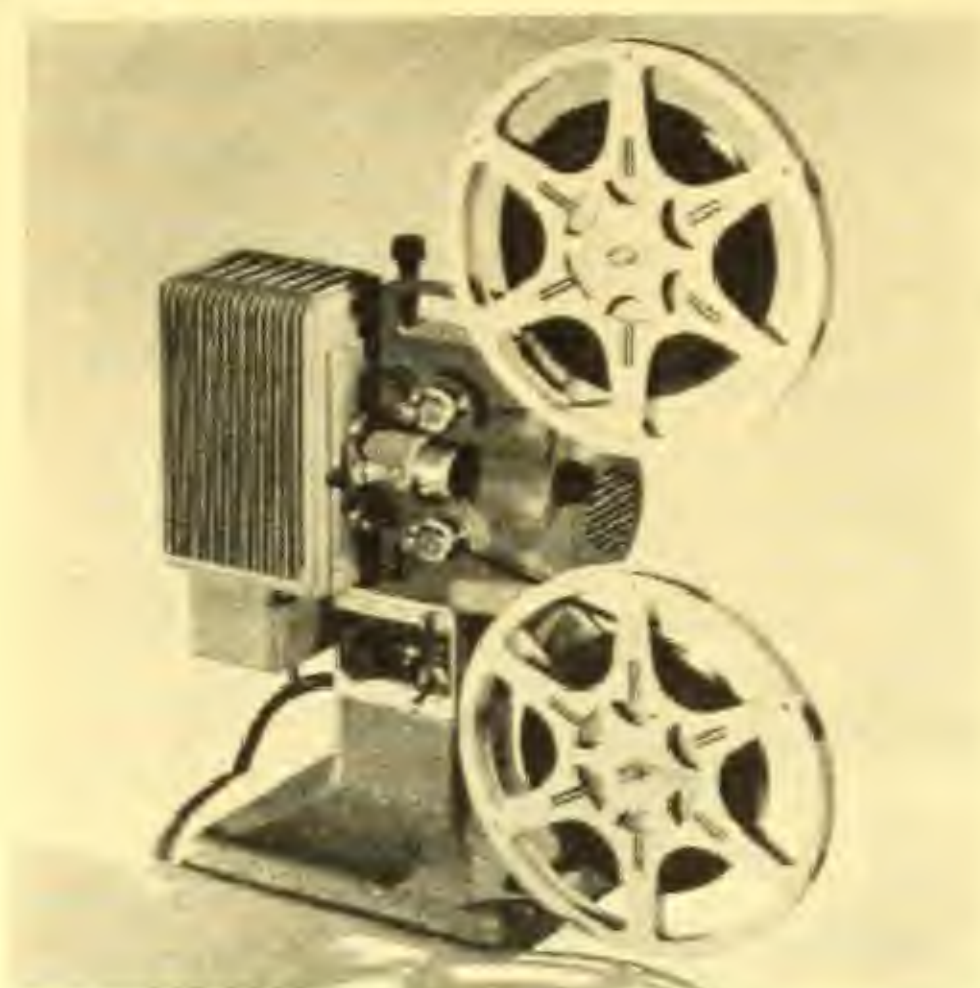
*Complete with long-life 500-watt lamp,
fast 1-inch coated lens. \$99.50*

NEW REVERE "90" 8MM PROJECTOR

New conveniences, such as a slip-over carrying case and storage space in base for three reels, speed setting-up time and add to its portability. Too, an extra 17mm Wide Angle lens more than doubles picture area, permitting large screen projection even in tiny rooms. Also has amazingly resilient film guides, single-knob control, simplified lamp removal and other advanced features. Accommodates either 500 or 750 Watt Lamp. Including case, only \$132⁵⁰



Revere "90"



Kodascope Eight-71 Projector

Latest addition to the Kodak line of 8mm movie projectors, the Eight-71 has some novel mechanical improvements.

Features advertised: Kodak Ektanon f/1.6 projection lens, 750 watts; can also be used with 1,000 watt lamp; improved cooling with baffles in aperture and condenser systems; maximum protection for film.

Motor and lamp controls grouped on single panel; 400 ft. reel capacity; new type safety shutter operated by air pressure; molded rubber drive belt to reduce noise; wooden case covered with boar-grain Kodadur has easily removable front. Price, \$97.50, tax incl.



KODASCOPE EIGHT-33

8 mm; silent; 200 feet capacity; line voltage 100-125 A.C.-D.C.; 25-60 cycles; 300-, 400- or 500-watt lamp; direct lighting; separate light switch; 1-inch f/2 Kodak coated lens; helical focusing; belt drive; rheostat speed control; rotary disc; blower and fins cooling; sealed lubrication; motor rewind; tilting devices. Price,

Kodascope Eight-33 Projector, A.C. or D.C., Kodak Projection Ektanon Lens, 1-inch f/2.0 (L), and 500-watt lamp.

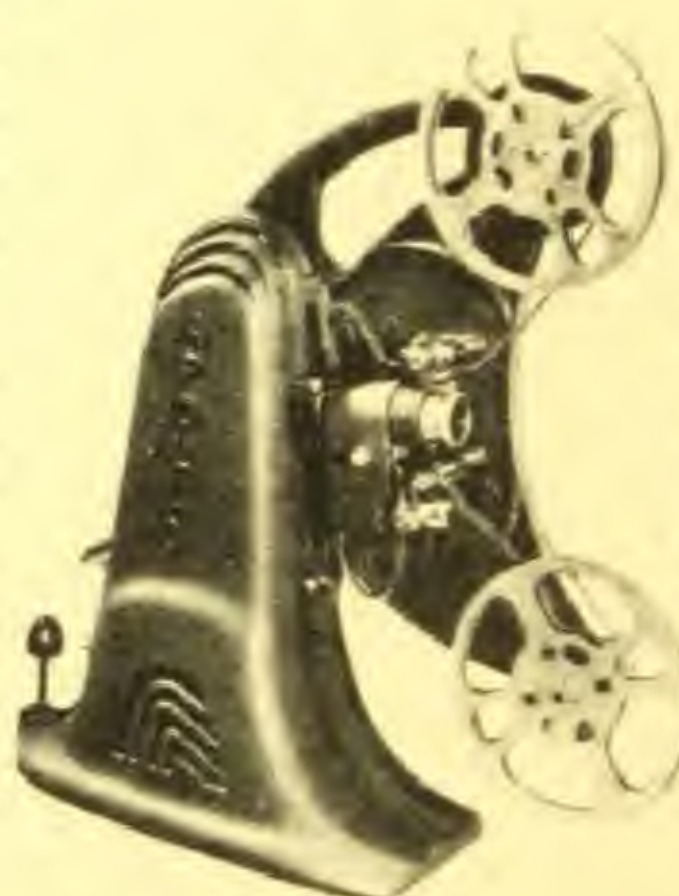
75.00



← Model R37
8mm. 300 watt lamp.
400 ft. reels, \$54.50



Model R8 →
8mm. 500 watt
lamp, f1.8 lens,
400 ft. reels,
\$74.50



Apollo 8mm Movie Projector

Simpson F/1.6 coated lens.
New superior optical system.
Single element aspheric Pyrex
condenser lens.
500-watt projection lamp.
400-ft. film capacity.
Double switches.
Oilite bearings.

\$28.00

BELL & HOWELL 8mm PROJECTOR



8mm Regent. Better illumination than any other popular make, regardless of lamp wattage. Easy to thread, easy to operate. Built for dependable, lasting performance. \$149.50.

Johnson Autoscope High Power 750-Watt



This is a high power, 750-watt Publicity model with automatic slide-replacing mechanism. Shows a series of up to fifty pictures in a constantly repeated sequence entirely without attention. A new and interest-compelling method of presenting sales messages, travel information, views from holiday resorts, or wide ranges of merchandise.

The pictures can be projected (across a street if necessary) on to a white painted boarding, the side of a house or an orthodox screen. Alternatively a translucent screen may be employed either in a window or on the top of a building. The beam can also be "bounced" at right angles by a suitably placed mirror and shown on a board suspended over a pathway.

SPECIFICATION

Continuous Operation

Fully automatic power-driven slide changing mechanism with slide pick-up device for continuous showing without attention. Up to fifty pictures may be shown repeatedly with no more attention than is necessary for switching on and for ordinary mechanical maintenance.

High Power Illumination

750-watt, 110-volt lamp. A three-stage starting switch gives longer life to lamp. With a 6 in. lens a brilliant picture approximately 15 ft. wide can be obtained with the Autoscope 60 ft. from the screen.

Optics

The exceptionally compact Autoscope triple condenser system ensures maximum heat dispersal with no loss of brilliance. Double, heat-resisting glasses with forced draft ventilation give additional protection to valuable transparencies. The projection lens may be either the Dallmeyer 4 in. f/3.5 or Wray 6 in. f/3.5.

Cooling

A powerful, silent and totally enclosed electric blower directs a continuous stream of cool air over the slide-gate and through the condenser and lamphouse.

Variable Showing Time

Adjustment is provided to vary the showing time of the slides from 8 to 30 seconds and intermediately. An extension switch can be plugged in to enable any picture to be held on the screen for as long as may be desired. The continuous operation is resumed when the extension switch is closed. Autoshutters darken the screen momentarily while a slide change takes place.

Packing and Equipment

The Autoscope is packed in a well-made, fitted wooden transport case Dallmeyer 4 in. f/3.5 fifty Autoslides, lamp, transformer and all plugs, leads and electrical connections.

Autoscope Model #5 with 4" Dallmeyer lens complete	\$550.00
Short focus unit for Model #5 (for large images at short throw) extra 2" ..	75.00
Long focus lens for use with 1A, 3, or 5 extra 6"	85.00
Extra magazine	20.00
Extra lamps	12.00

Model No. 1A—Hand operated Autoscope for use in very large rooms or small halls, Price	300.00
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Model No. 3—Entirely automatic, similar to Model No. 5, except for repeating device, Price	350.00
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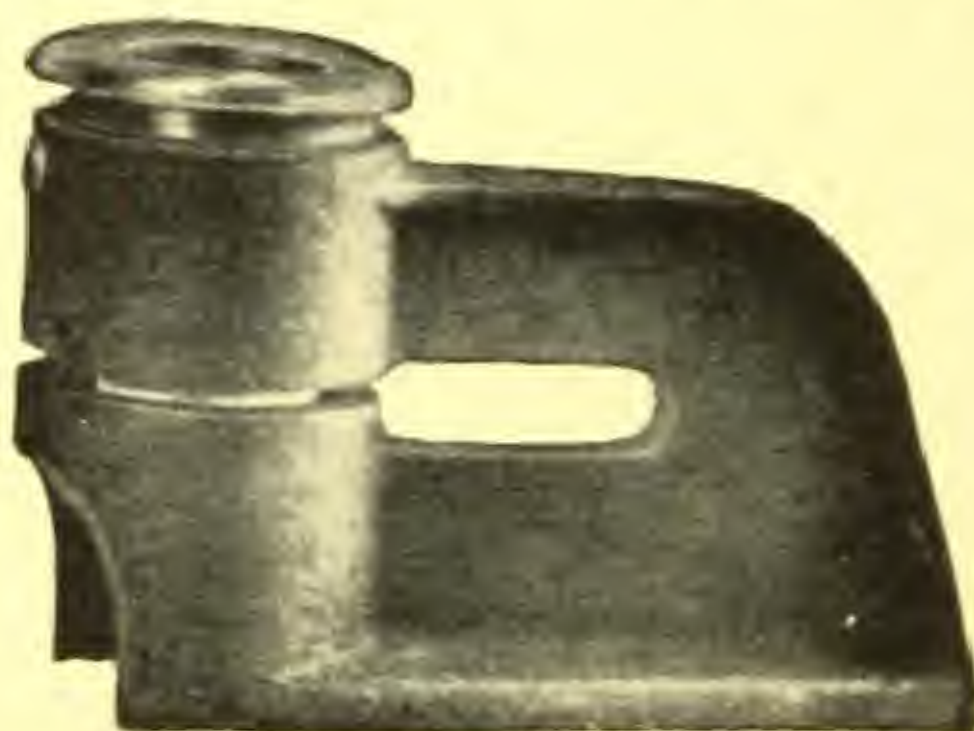
Keystone Pictograph Projector No. 441

For correct and original projection of reading material, photos, post cards, etc. Pictures and reading matter always appear in the correct position from left to right. Has front surfaced mirrors for accurate optical reflection, 2-135 watt tubular projection bulbs, picture holder with adjustable guides for pictures up to $4\frac{3}{4}$ " x $5\frac{1}{2}$ ". Will project a 48" picture on the screen. Crystal bronze finish. Size $11\frac{5}{8}$ " x $10\frac{1}{2}$ " x $11\frac{1}{4}$ " high. Complete with $3\frac{1}{2}$ " double element projection lens.

Price \$24.95



EAGLE PHOTO PUNCH



This little device fills a long-felt want in the studios which make chauffeur and vest pocket pictures.

This picture is slipped in between the jaws of the press and a slight push from the top cuts the picture out neatly and drops it to the bottom, where it can be removed without changing the position of the punch. The diameter after cutting is $1\frac{1}{2}$ in. The price it \$7.00



ALUMINUM PUSH PIN Unbreakable—Push—Pull—Hammer

This is a new aluminum, indestructible push pin. Greatly superior to the glass-headed push pin.

Per package of six \$0.15

PUSH PINS

No. 1—About $\frac{7}{8}$ " long; per package of 6 \$0.10
No. 2—About 1" long; per package of 610



No. 1



No. 2

PUSH THUMBTACKS

These special grade tool-tempered steel points will not turn over or break, and are so smooth and tapered they will not injure anything into which they are pushed. For home decoration and for draughtsmen, architects, etc. No. 31, $\frac{3}{8}$ inch; No. 32, $\frac{1}{2}$ inch; No. 33, $\frac{5}{8}$ inch. Flat polished brass head.

No. 31, per block of 12 tacks \$0.10
No. 32, per block of 10 tacks10
No. 33, per block of 10 tacks10
Eagle No. 2, per box of 100, $7/16$ -inch15



No. 31



No. 32



No. 33



PUSH-POINTS (MAPTACKS) NO. 10

One size—Four colors: White, Green, Black and Crystal Glass Heads. Fine Steel Needle Points.

Per box of one dozen, any one color..... \$0.10

PUSHLESS HANGERS

This is the very latest novelty for hanging up heavy pictures or other articles without disfiguring the walls. The Pushless Hanger will sustain a weight of 20 pounds. They have a special tempered steel point combined with scientifically constructed brass hook.

Made in Four Sizes

- | | | |
|--------|--|--------|
| No. 24 | For small framed pictures weighing not more than 10 pounds. Per package of six | \$0.10 |
| No. 25 | For pictures, clocks, mirrors, etc., weighing less than 20 pounds. Per package of six | .10 |
| No. 27 | For the heavy framed pictures, and mirrors, weighing up to 50 pounds. Per package of three | .10 |
| No. 28 | For the largest and heaviest pictures, weighing up to 100 pounds. Per package of two | .10 |



No. 25
Actual Size



No. 28
Actual Size



REDUCO FOR NEGATIVES

A powerful reducer for reducing overdeveloped, dense negatives.

Reduco possesses the extraordinary property of reducing only the parts of a negative actually requiring reduction, thus preserving full detail in the shadows. Put up in sealed tubes; 12 tubes in a box.

Per box—5 tubes \$0.50

E. W. N. PERSULPHATE AMMONIA NEGATIVE REDUCER

This salt possesses the extraordinary property of reducing only the parts of a negative actually requiring reduction, thus preserving full detail in the shadows. For negatives with too much contrast it is worth its weight in gold, as it retains all the good and makes the dense parts print well. It is freely used by all the knowing ones now. Overdevelop your snapshots till the shadows are full of detail—that ruins the highlights, of course. Then use Persulphate and the lights at once reduce to a beautiful printing density. In hermetically sealed glass tubes, each tube making a bath for many plates. Sealed tubes are necessary, as the bulk chemical keeps poorly.

Per package of 6 tubes.....\$0.50



REDUCING GLASS

The reducing glass is of the same general construction and appearance as our magnifying glasses, but it is fitted with a double concave lens instead of the double convex. It is used by artists and engravers to reduce drawings, photographs, and other illustrations.

3-in. diameter, 7-in. focus. Price \$6.50



NEGORUBBER REDUCER



A pencil shaped stick for local reduction.

This is the only satisfactory method for local reduction of negatives. Eliminates the use of the etching knife. Bring out details in the high lights. Help to tone down undesirable parts, remove objectionable features, and make all faces in a group print equally. Each \$.50

NEGORUBBER MEDIUM

A solution for preparing negatives for use with Negorubber.

Bottle \$.35

NEGORUBBER PASTE REDUCER

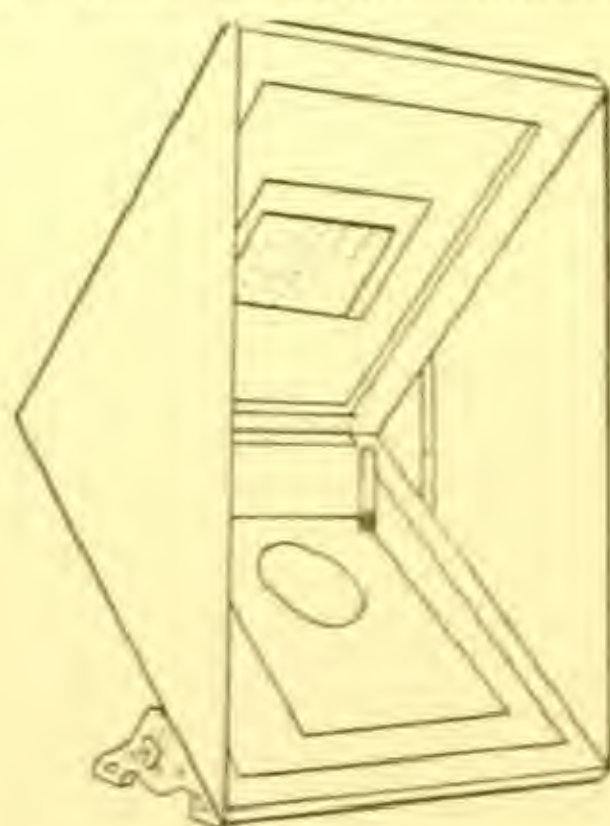
Same as stick excepting for use where larger spaces are to be reduced.

Per Jar \$.50

PUTZ POMADE REDUCER

Oldtime photographers will quickly recognize this product as a standard article for many years. It is a smooth working abrasive used for local reduction, and readily finds its place in every workroom. Apply with tip of the finger.

Per can	\$0.35
12 cans	each .45
24 cans	each .41
48 cans	each .37
480 cans	each .35



EAGLE FOLDING RETOUCHING STAND

This is an exceedingly practical stand for studio use. It takes negatives up to and including 11 x 14 size. The negative is held in any desired position by rubber tipped fingers. Stand can be adjusted to any angle desired by operator. Finished in black to eliminate reflections.

Price \$12.50

Federal Excise Tax \$3.12 additional

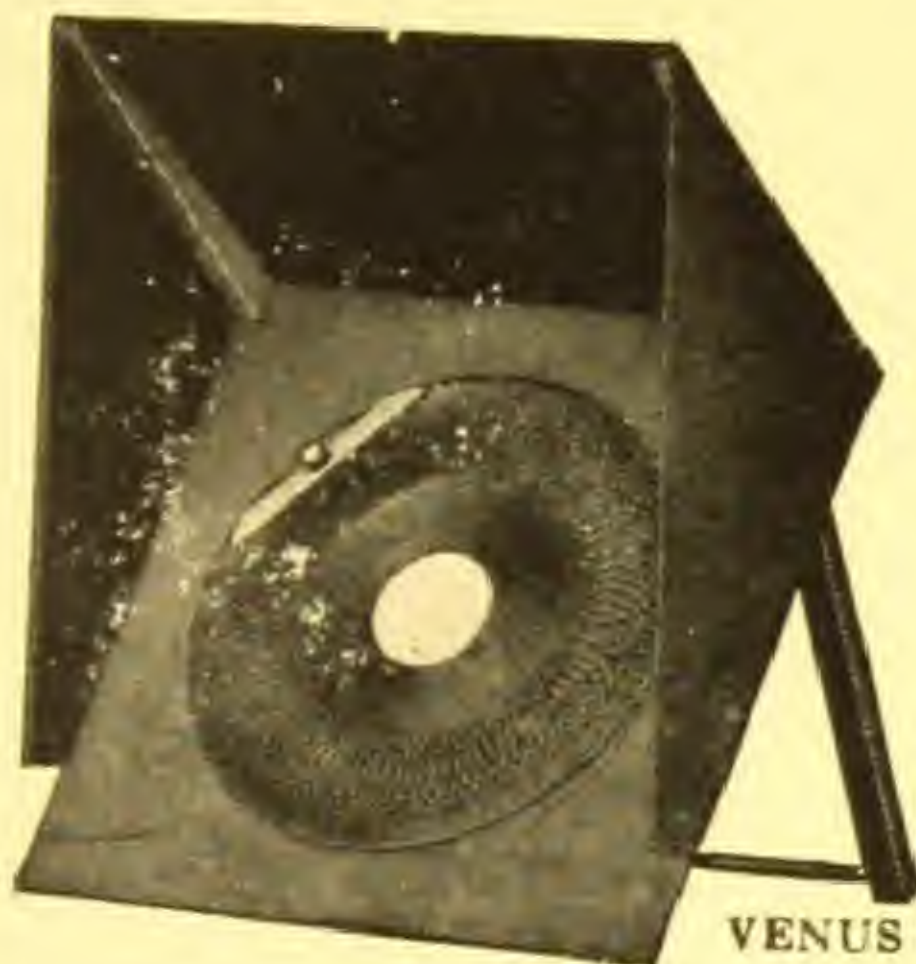
NEGA RETOUCHING DESK



... Nega Retouching Desk of a new type takes negatives to 8x10; folds up to form small case with handle for easy carrying. When extended, tilting mirror in bottom reflects light on ground-glass while case cover serves as light shield and drawer beneath holds supplies. Nicked steel stays and nuts hold all adjustments solid. Ground-glass being flush with frame surface reduces strain on wrist. Folds to size 4½ x 11 x 13". Made of kiln-dried hardwood in walnut finish. With mask.

PRICE — \$11.95

WILLIAMS DE LUXE RETOUCHING STAND



Has features found in no other retouching stand at any price. Check these additional features.

Portable—folds to 16"x16"x1/4"

Light weight—3 lb. 4 oz.

Adjustable pitch.

Removable canopy or hood.

Holds up to 11 x 14 negatives.

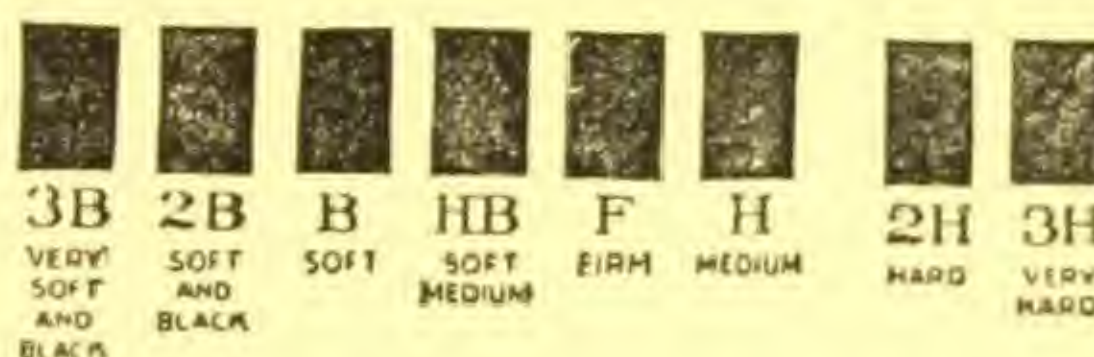
No clips, spring holders, paper masks or other bothersome devices needed.

Hand cannot touch and stick to negative.

Keeps negative free from scratches and fingermarks.

PRICE — \$8.75

VENUS PENCILS AND RETOUCHING LEADS



The most wonderful pencil in the world—made in 8 gradations, from the very softest to the very hardest known—3B softest to 3H hardest.

No. 3800—Each.....\$0.10 Box of 12.....\$1.00

No. 842—Venus Leads. The Venus Refill Leads, No. 842, fit the No. 849 Holders exactly. For every degree there is a holder marked with a corresponding degree. Made in 8 degrees from 3B to 3H. Sold only in box of 6 of one degree, per box.....\$0.50

No. B40—Venus Artists' Holder and Lead, hexagon, 6 1/4 inches long; for retouching. Each.....\$1.00

FABER'S RETOUCHING PENCILS AND LEADS



FABER ARTIST HOLDERS FOR LEADS

Faber's Holders for Leads, including one lead.....\$0.75

FABER'S PENCILS AND LEADS

These are celebrated Faber Pencils, which are the ones used by most artists for retouching.

BBB.....Very soft and very black	F.....Middling, No. 3
BB.....Soft and very black, No. 1	H.....Hard
B.....Soft and black	HH.....Harder, No. 4
HB.....Hard and black, No. 2	HHH.....Very hard

The above scale applies to both the pencils in wood and leads only, so be sure to state which is wanted. The four degrees of pencils bearing the numbers 1, 2, 3 and 4 form a collection especially suited for ordinary use; these are the finest grade of pencils made.

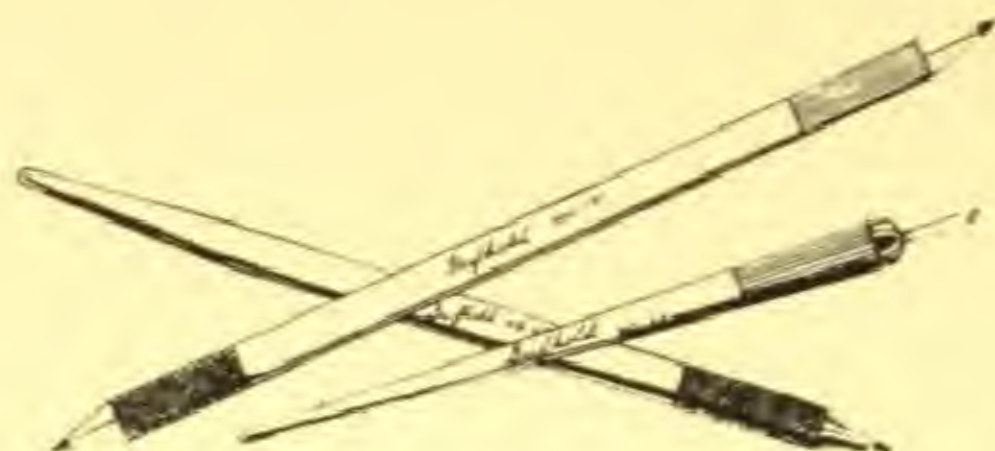
Leads, sold only in box of 12 of one degree, per box.....\$1.20
Pencils, packed 12 in box.....each, 10c; dozen 1.00

EAGLE DOUBLE END RETOUCHING LEAD HOLDER

The perfect holder for retouching leads. Holds any degree of lead from 4B to 4H. Holder is inches long and has a aluminum barrel with a knurled tip for locking the lead in position.

Price.....\$1.00

GRIPHOLD HOLDERS



No. 24 Etching Knife . . . Made of aluminum, satin finish. Etching blade made of high grade tool steel. Heat treated and ground to fine edge.

For use in etching negative cut film and stencil material.

Price \$1.00

Extra blades made of high grade steel ground to fine edge 25c. each.

No. 53 Retouching Lead Holder . . . Made of aluminum, satin finish. Will accommodate full length leads of any degree from 2B to 6H.

Price \$1.00

No. 131 Double Lead Holder . . . Made of aluminum, satin finish. Being double end will accommodate two degrees of lead in the same holder; or a lead in one end and an etching knife in the other.

Price \$1.00

KLENZO RETOUCH ERASERS



An invaluable reducer when working on positive enlargement or photographic negative. Excellent for removing shadows and blemishes. Desirable shadows can be worked in with a retouching pencil over the surface erased with Klenzo Eraser.

Klenzo Retouch Eraser each \$0.15

ROYAL ETCHING PENCIL AND HILITE REDUCER



This handy woven glass reducing pencil can be refilled in a moment when used up. Also serves as a regular ink eraser for general office use.

Plastic Holder, Complete, 60c. each

Refills for same 25c. each

ROYAL RETOUCHING LEAD SHARPENER



This is a very handy tool for the retoucher. To one side is fastened 12 sheets of emery paper, 1 1/4 in. wide by 3 1/4 in. long.

Price \$0.60

Extra pads of emery paper \$0.15

The Theory and Technique of Portrait Negative Retouching.

By J. P. Anderson

\$1.50

SPOTONE

the Drop Control Method of RETOUCHING

The three different SPOTONE colors: No. 1 (BLUE-BLACK), No. 2 (SELENIUM) and No. 3 (NEUTRAL BASE) are so designed that they can be intermixed in any proportions to produce the greatest number of retouching colors to match the most photographic emulsions. Since Spotone is developed on the stain principle, it will penetrate into all print emulsions from glossy to dead matte surfaces without leaving any residue. It builds smooth grainless tones on negatives, working either on the emulsion sides or on the backs. Being a penetrating medium it produces a full scale of true photographic tones ranging from the lightest transparent gray to the heaviest. It works as easily on soft out-of-focus tones as well as it does in problems demanding hard, sharp lines. **PRICE — \$1.50**

CARL DIAL CHEMICAL RETOUCHING SET



For the first time a completely balanced set of chemicals has been worked out for gradual reduction on photographic prints.

Local areas of entire backgrounds may be removed. Detail can be brought out in shadows and high lights lightened to give very pleasing effects.

Retouching on negatives has always been difficult as the results could not be directly judged, but with this new system shadows can be eliminated and highlights put in, and many other feats performed direct on paper prints.

Complete outfit consisting of preparing solution reducer and stopping chemicals supplies for **\$2.75**

ANILINE DYE RETOUCHING COLOR

It can be applied smoothly to film and glass negative. Retouching can be obtained with any degree of intensification with delicate gradations from the lightest tint to full capacity. It contains no varnish and leave no granular or brush mark effects. The dark grey color matches the neutral color of the negative. Can be duluted with water for obtaining any desired depth of color. Easily applied with camel's hair or air brush.

1 oz. bottle	\$ 2.00
4 oz. bottle	7.00
16 oz. bottle	20.00
Price per quart bottle	\$35.50

GORDON'S ROYAL RETOUCHING FLUID



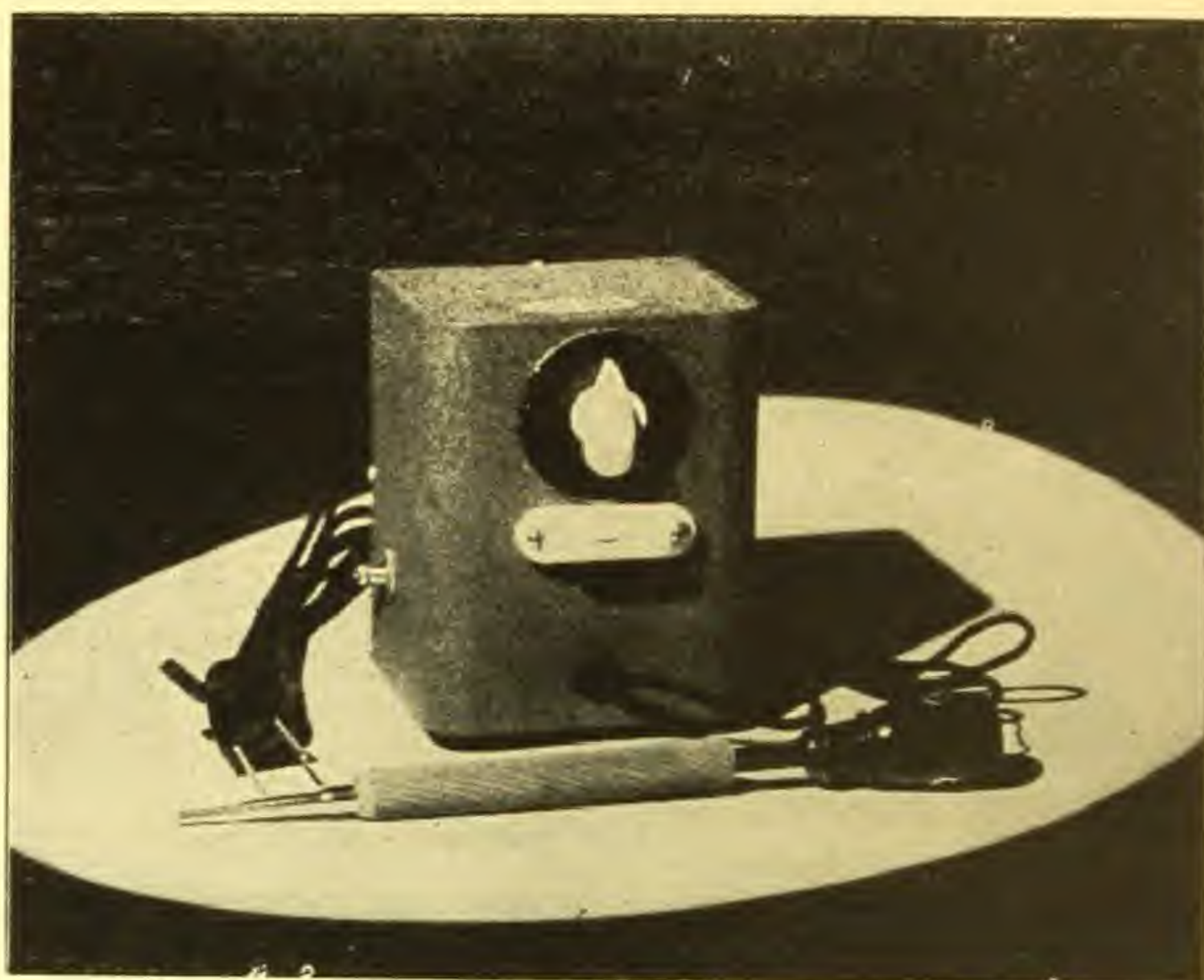
This Retouching Fluid gives a fine surface which holds the lead. Is very satisfactory with the hard emulsion on the new grades of film. Used by leading portrait and commercial photographers.

1 oz. bottle	\$0.60
2 oz. bottle	\$1.00

GILBERT ELECTRIC RETOUCHER

Sent on 10 days' Trial if requested.

Send remittance. If returned—we will refund.



Saves time, does expert work. Simply keep the lead on the negative. The oscillating attachment on the end of the lead holder produces automatic double vibrations which duplicates the strokes of the master retoucher. Unexcelled for spotting prints or working up enlargements.

NEW FEATURES

A resistor to the variable resistor (knob) which is used to vary the strength of the oscillations; this gives a smoother variation and eases heating up the oscillator of the pencil.

A new rubber hand piece does away with much of the vibration.

	Tax included
Model ANR—for 115 Volt AC 20 to 150 cycle	\$40.00
Model DeLuxe—115 Volt 25 or 60 cycle	75.00

We can furnish adapter for 220 Volt AC

ROYAL RETOUCHING OUTFIT

This outfit contains all of the necessary articles for retouching, etching or spotting photographic prints and negatives. It consists of:

- 1—Royal Brush
- 1—Etching Pen and Holder
- 1—Pad Spotting Colors
- 1—Retouching Pencil
- 1—Bottle Retouching Solution
- Set of Instructions

Price \$2.00

Lloyd ELECTRONIC RETOUCHER

LOWERS RETOUCHING COST — RAISES PRINT QUALITY
MAKES RETOUCHING A PLEASURE

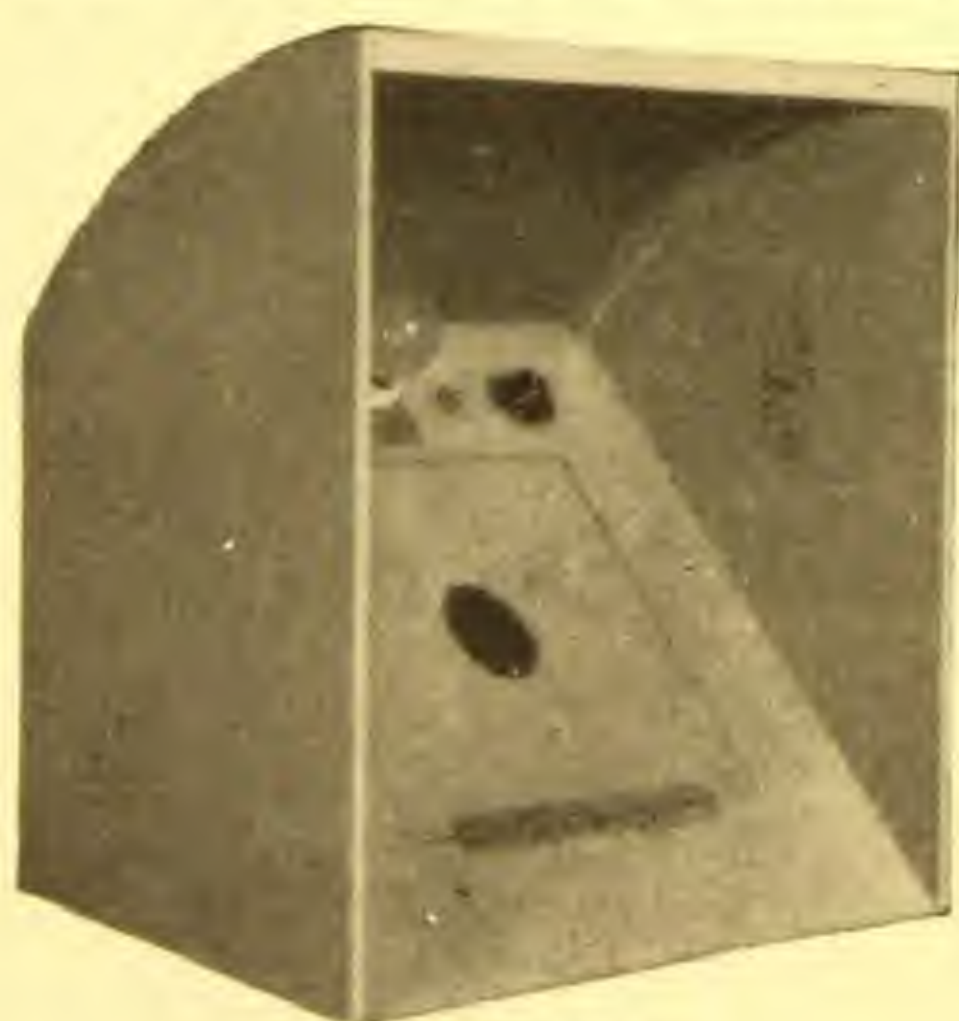


MODEL B (Open Type)

Professional retouchers and students find the Lloyd Electronic Retoucher the answer to faster and more proficient work. Incorporating a revolutionary type of vibratory action with variable-speed control it meets the requirements of all retouchers. When operating at its maximum speed it delivers the negative to the pencil point at a rate of 6,000 perpendicular strokes per minute. Its patented pattern of Stipple-Dots never changes,

regardless of the direction or manner in which the pencil is moved or guided over the negative. This pattern of microscopically fine dots blends perfectly with the natural grain of the negative and normally does not show in portrait prints. With a saving of 25% to 50% in retouching time by Lloyd Electronic Retoucher soon pays for itself. It has been approved by retouchers with many years of professional experience. See for yourself the advantages this machine offers for increasing the profits of your retouching department.

Only the LLOYD ELECTRONIC RETOUCHER has all these . . .



MODEL A

- Patented Stipple-Dot Pattern
- Variable-speed Electronic Vibratory Unit with a maximum of 6,000 perpendicular strokes per minute
- 25% to 50% saving of retouching time
- Dual Fluorescent Lighting System Easily used by left or right handed operators
- Open design for use in light controlled rooms. (Model A — hooded type — for rooms that do not have light control)
- Complete protection for negative being retouched

NOTICE: Be sure to specify model desired when ordering: Model A — Hooded, or Model B — Open.

UNCONDITIONALLY GUARANTEED for a period of 10 Years from date of purchase.

PRICE . . . \$150.00



NEGODOPE

RETOUCHING FLUID

This fluid is applied to the parts of the plate of film to be retouched enabling the retoucher to get much softer effects than when working on a thick varnish surface which all other fluids leave on the plates.

Dries extremely fast, does not stick and will never get hard.

PRICE

No. 1 — 1 ounce bottle	\$.25
No. 2 — 2 ounce bottle .....	.45



BORDEAUX'S

French Retouching Solution

It Is Acknowledged By All Photographers Who Have Used It, To Be The Leading Preparation For RETOUCHING FILM OR GLASS NEGATIVES.

None Genuine without the Name

Specially Formulated For Fine Retouching

15 SECONDS AFTER APPLICATION

For use in retouching locks of hair, scratches and wrinkles in dresses, use a Venus, Dixon or Faber Pencil No. 2 HH, and for general work, use a hard lead. You can retouch on the GLASS side just as well as on the Film side, and can strengthen the negative after it has been retouched without in way affecting the retouching by soaking the negative in water for ten minutes.

In Professional Use Since 1891.

25c. — 40c. — and — \$1.00

EAGLE NEGATIVE AND RETOUCHING VARNISH

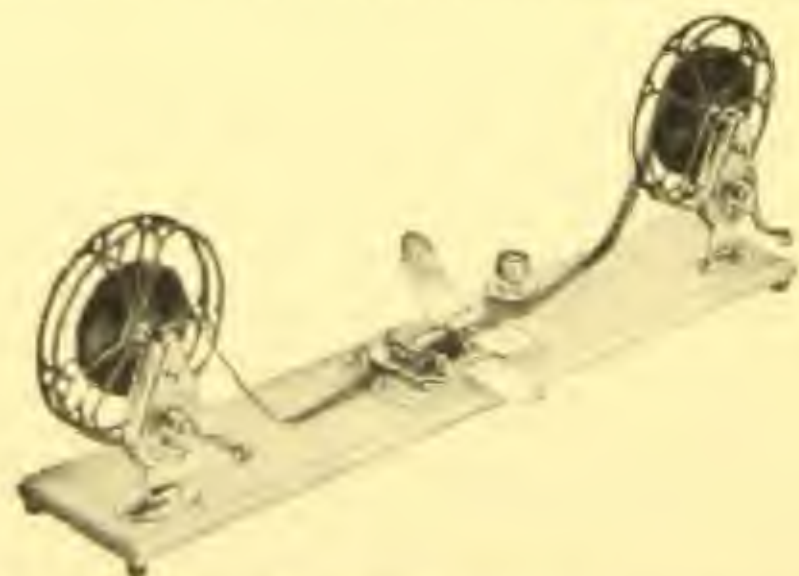
A hard, clear protective to the negative. Apply with heat. Gives a good touch to the retouching pencil.

Per 6-ounce bottle	\$0.75
Per pint bottle	1.50

MASTER TOUCH RETOUCHING FLUID

Every stroke counts—whether light or heavy. Takes more lead—soft as velvet—without becoming grainy. Negatives can be retouched with equally good results as long as a year after doping. Sold on money-back guarantee. Increase your efficiency and profits by ordering now.

Price	\$0.60
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CRAIG REWIND COMBINATIONS—
Rewinds, splicer, and film cement mounted on wooden base. Choice of 3 combinations: Junior Combination (Jr. Splicer, Jr. Rewinds) \$10.50; Senior Combination (Sr. Splicer, Sr. Rewinds) \$25.50; Master Combination (Sr. Splicer, Master Rewinds) \$27.50.



CRAIG GEARED REWINDS—geared for smooth, quiet operation. Reel revolves in the same direction as the crank is turned. Junior (8mm, 400') golden brown crackle, \$5.00 the pair; Senior (8mm and 16mm, 400') polished chrome, \$10.00 the pair; Master (8mm, 400', 16mm 2000') polished chrome, \$12.00 the pair.



EAGLE CINE REELS AND CANS

Metal and Plastic

REELS ONLY

Metal

8 mm.	200 ft.	.....	\$ .36
8 mm.	400 ft.	.....	.48
16 mm.	200 ft.	.....	.48
16 mm.	400 ft.48
16 mm.	800 ft.	1.75
16 mm.	1200 ft.	2.60
16 mm.	2000 ft.	4.00

Plastic

8 mm.	200 ft.25
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CANS ONLY

Metal

8 mm.	200 ft.	\$.25
8 mm.	400 ft.40
16 mm.	200 ft.30
16 mm.	400 ft.40
16 mm.	800 ft.	1.50
16 mm.	1200 ft.	1.80
16 mm.	2000 ft.	3.00

Plastic

8 mm.	300 ft.35
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Introducing

A BRAND NEW INVENTION
SCALES COPY AUTOMATICALLY

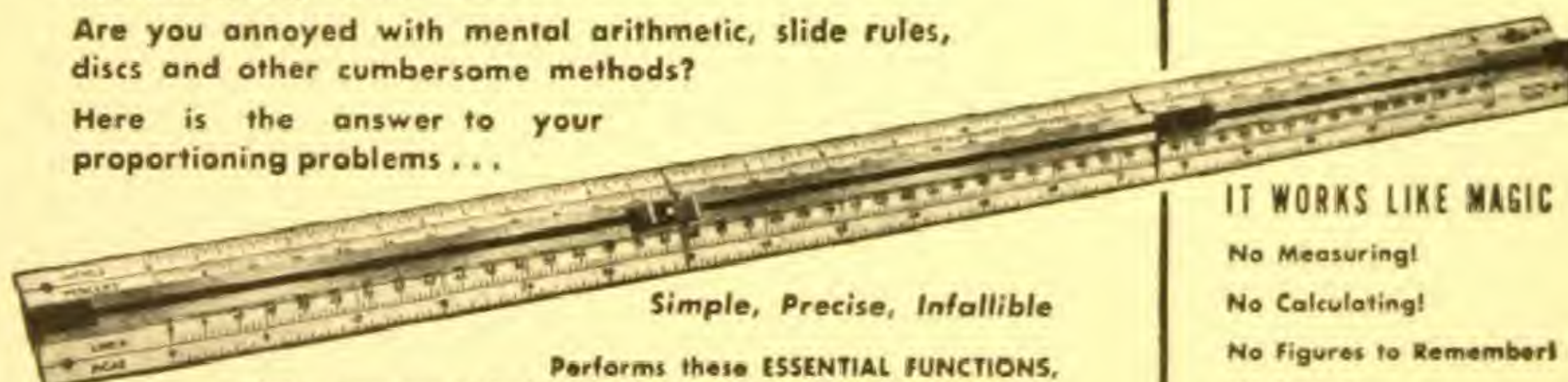
THE

Empco Proportioning Rule

Are you going "SCALE HAPPY"?

Are you annoyed with mental arithmetic, slide rules, discs and other cumbersome methods?

Here is the answer to your proportioning problems...



Simple, Precise, Infallible

Performs these ESSENTIAL FUNCTIONS,
giving answers in inches, agate lines, picas and percentages:

- Finds proportional dimensions of a required reduction or enlargement.
- Gives accurate crop marks for fitting illustration or copy into a desired layout.
- Shows percentage of reduction or enlargement.
- Groups copy for photographing at same focus.
- Locates accurate crop marks for grouping several pieces of copy at the same focus.

IT WORKS LIKE MAGIC

No Measuring!

No Calculating!

No Figures to Remember!

No Errors!

No Waste of Time!

Empco Proportioning Rule

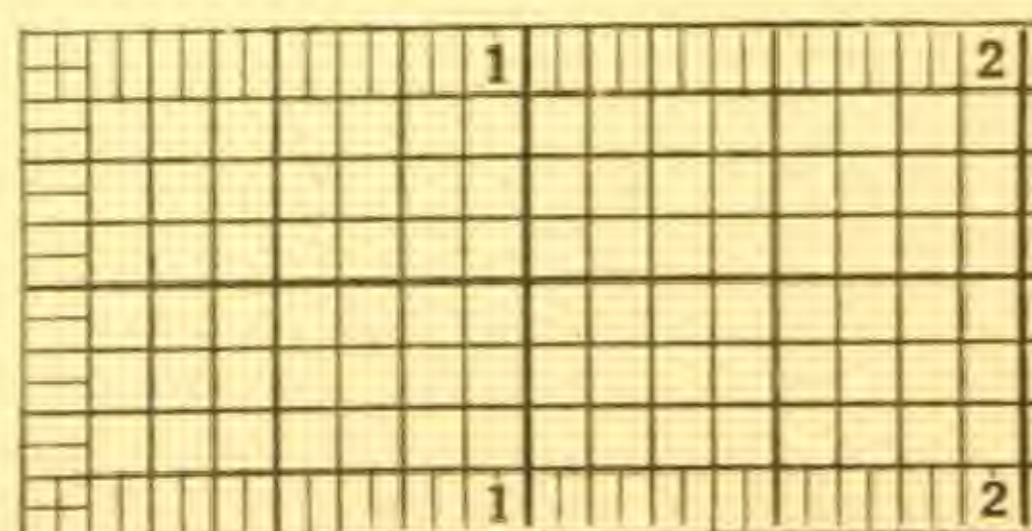
... a sturdily-constructed, precision-built
instrument ... Actual size 20 1/2" x 1 1/2"

PRICE \$17.50

EAGLE TRANSPARENT FLEXIBLE RULER

The Transparent Ruler is something new. It consists of two transparent sheets which are welded together and which contain ruled lines and squares between the two layers so that the ruling will not wear off. Both edges are beveled for ruling purposes. The commercial photographer will find this an exceptionally useful rule for checking sizes on ground glass, for copy purposes, and general use. The portrait photographer will also find this exceptionally good for accurate mounting and other work around the studio.

1x 6 in.	.....	\$0.25	2x12 in.	.....	\$0.75
1x12 in.	.....	.50	2x18 in.	.....	1.50



EASTMAN STUDIO SCALES

A two-pan scale of extreme accuracy, in two models—for avoirdupois and for metric. A sliding weight on a beam does away with small loose weights. Larger weights from 50 grains to 2 ounces—from 5 to 60 grams. Bearings of hardened steel.

No. 1. Avoirdupois	\$7.65
No. 2. Metric System	7.65
Extra set weights, each	1.75

ROYAL LABORATORY SCALE

Equipped with sliding balance for constructed scale. It is sensitive to a grain. The pans measure $3\frac{1}{2}$ inches in diameter and are interchangeable. The beam is fitted with adjustment screws and indicator for accurate adjustment and quick weighing. Each scale is supplied with six nickel-plated brass weights, two 50 grain and one each $\frac{1}{4}$, $\frac{1}{2}$, 1 and 2 ounce.



This is an accurate and perfectly balanced scale.

All metal parts heavily painted grains, incorporating both Metric system as well as Avoirdupois graduated from 1 to 50 grains or 1 to 30 decigrams.

Royal Laboratory Scale, Avoirdupois

5.00

Royal Laboratory Scale, Metric

5.00

ALL-PURPOSE LABORATORY BALANCE



MODEL 700-D
with METRIC CALIBRATION

No. 701 Attachment Weight 500 gram
No. 702 Attachment Weight 1000 gram

Beam Calibrations:

Front Beam 10 x $\frac{1}{10}$ gram
Center Beam 500 x 100 gram
Back Beam 100 x 10 gram

Sensitivity:

Rated $\frac{1}{10}$ gram. Actual $\frac{1}{20}$ gram.

Scale Capacity:

Beams 610 gram
Attachment Weights 2000 gram

Total 2610 gram

Prices:

Balance \$20.00
701 Attachment Wt. 1.25
702 Attachment Wt. 1.75

MODEL 800-D
with AVOIRDUPOIS CALIBRATION

No. 801 Attachment Weight 1 lb.
No. 802 Attachment Weight 2 lb.

Beam Calibration

Front Beam 1 x $\frac{1}{64}$ oz.
Center Beam 1 lb. x 1 oz.
Back Beam 1 x $\frac{1}{100}$ oz.

Sensitivity:

Rated $\frac{1}{100}$ oz. at full capacity.

Scale Capacity:

Beams 1 lb. 2 oz.
Attachment Wts. 4 lb.

Total 5 lb. 2 oz.

Prices:

Balance \$26.00
801 Attachment Wt. 1.25
802 Attachment Wt. 1.75

EVEN BALANCE SCALES

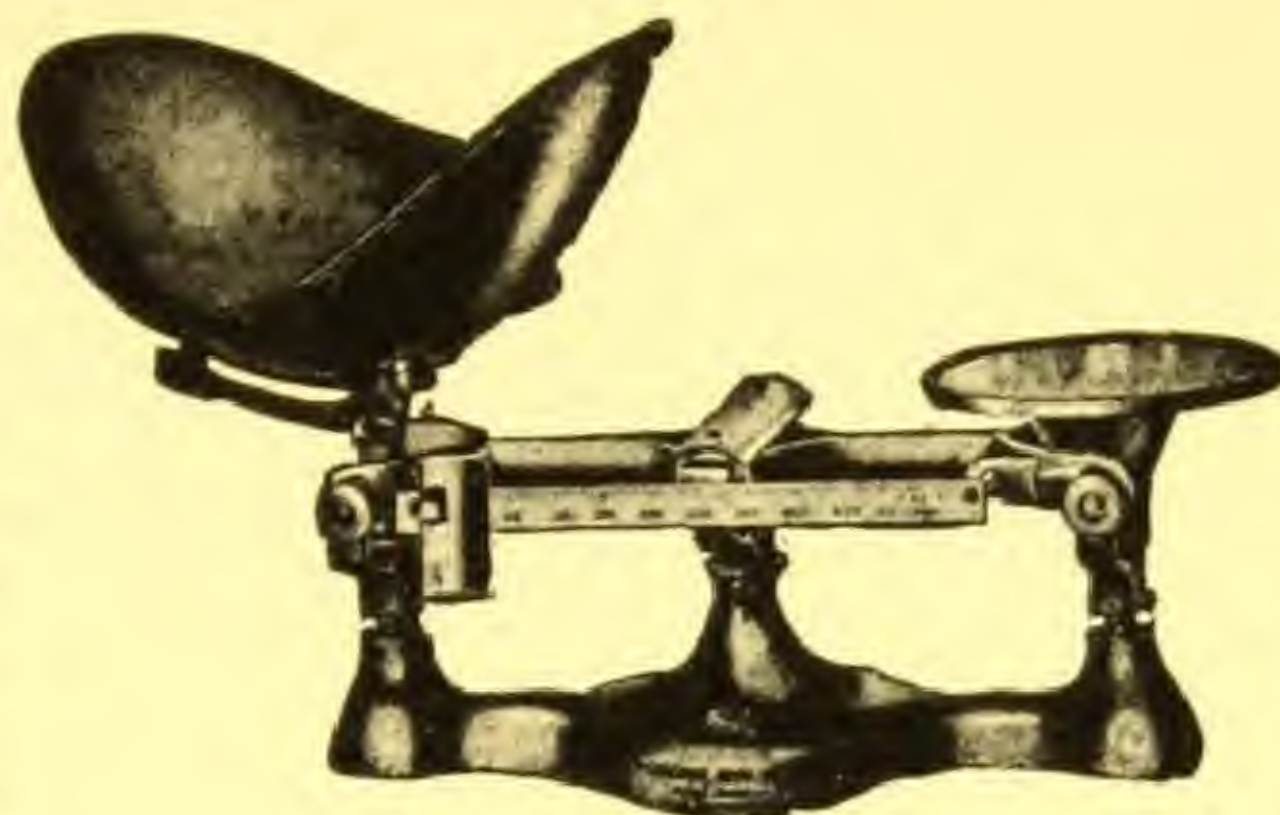
Suitable for all photographic chemicals. Equipped with V-shaped bearings and steel pivots and with a scoop.

With 16-ounce brass beam.

No. 704—Capacity 4 lbs.
Size of scoop 12 x 6½
\$20.50

No. 703—Capacity 8 lbs.
Size of scoop, 16 x 8
\$23.00

No. 702—Capacity 10 lbs.
Size of scoop, 19 x 10
\$28.25



EAGLE SODA SCALE

Especially constructed for daily photographic use. Will weigh from 1 ounce to 25 pounds, conveniently and accurately. Just the scale for weighing your sodas and hypo.

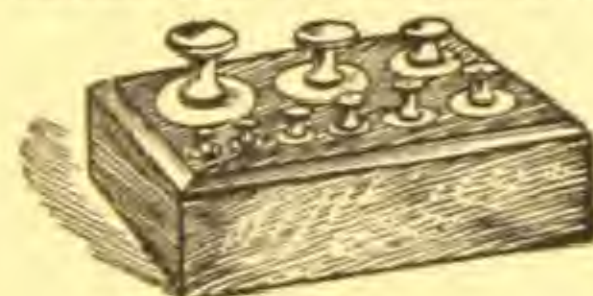
Pan removable \$23.00



Eagle Soda Scale

IRON NEST SCALE WEIGHTS

Capacity 8 lb. down to ¼ oz.....	\$8.00
Capacity 4 lb. down to ¼ oz.....	5.25
Capacity 2 lb. down to ¼ oz.....	3.50
Capacity 1 lb. down to ¼ oz.....	2.65
Capacity 8 oz. down to ¼ oz.....	2.10



BLOCK SCALE WEIGHTS

Solid Brass in Cherry Block

Troy	Prices	Avoirdupois
No. 45, 1 oz. to ¼ grain....	\$ 4.00	1 lb. to ⅛ oz.....\$ 6.75
No. 46, 2 oz. to ¼ grain....	5.50	2 lb. to ⅛ oz..... 9.00
No. 47, 5 oz. to ¼ grain....	7.50	4 lb. to ⅛ oz..... 18.00
No. 48, 10 oz. to ¼ grain....	10.00	



METRIC SCALE WEIGHTS

Solid Brass in Cherry Block

Prices	
No. 25, 10 gram piece and down to 1 centigram \$3.50	No. 27, 50 gram piece and down to 1 centigram \$5.00
No. 26, 20 gram piece and down to 1 centigram 4.00	No. 28, 100 gram piece and down to 1 centigram 6.00
	No. 29, 200 gram piece and down to 1 centigram 7.20

DRACHM, SCRUPLE AND GRAIN WEIGHTS

½ grain to 10 grains (aluminum) per set \$1.25
Drachm, Scruple and grain, per set75

THE SCALE WEIGHMETER

(Copyright, 1914, C. B. Elmore)

The Weighmeter instantly indicates by one turn of the dial exactly what weights are to be used on the scale for any given formula. Saves time, trouble, annoyance, and opportunities for errors in making of usual computations. Beautifully printed in two colors on ivory celluloid, and just the right size to fit the vest pocket.

Price \$0.35



BRILLIANT ROYAL SCREENS

Simple construction combined with precisely engineered design and workmanship. Here you really will have an outstanding buy for your money.

Automatic lever type handle (pat. pending) for smooth and easy adjustment.

Fine, super-reflective glass beaded fabric.

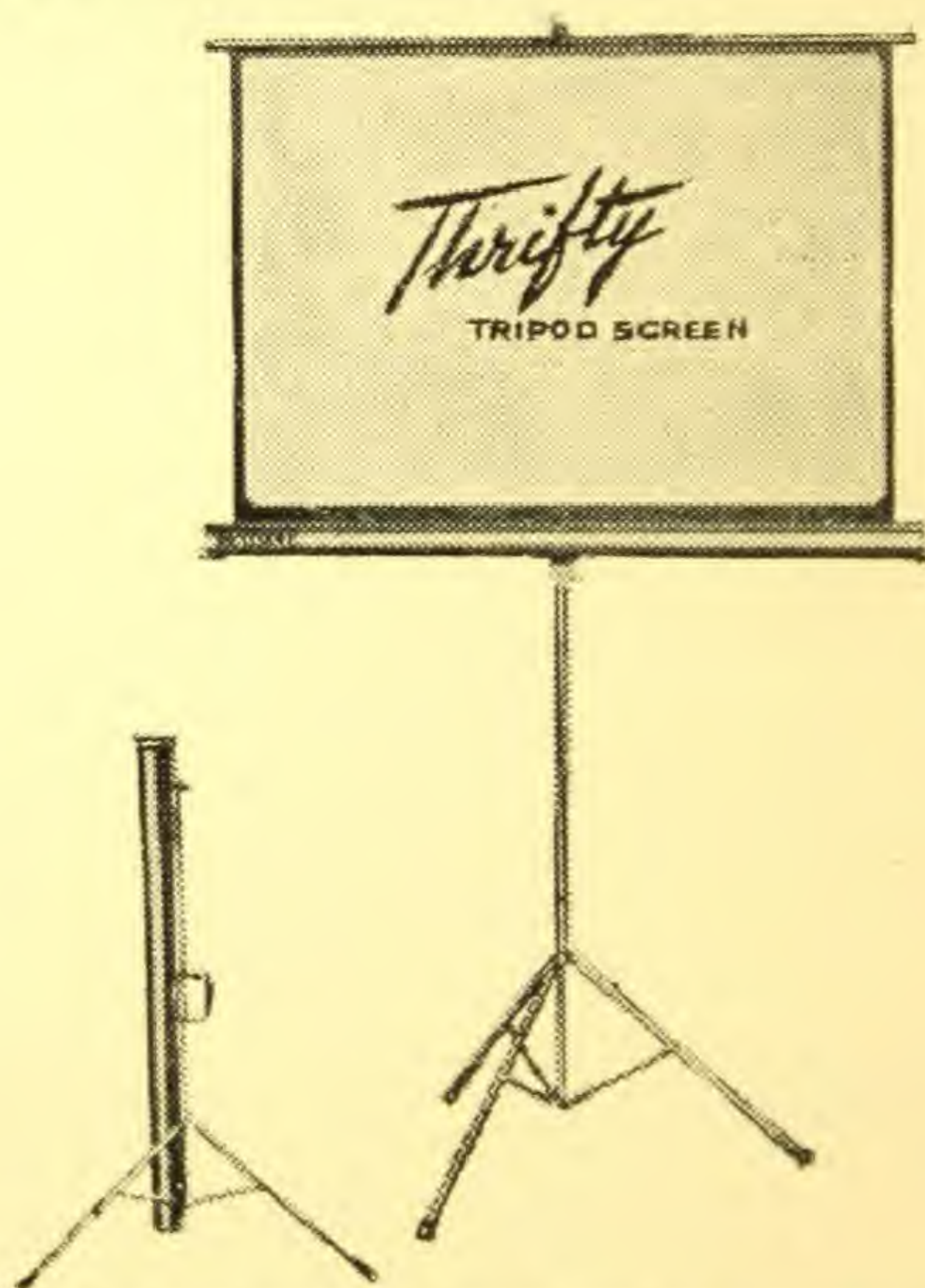
Sturdy, secure tripod.

Scratch-proof, firm-grip rubber tips.

Square steel Tube construction for strong firm tripod support.

Streamlined case for Fabric protection and finest appearance.

Guarantee of excellent quality and performance.

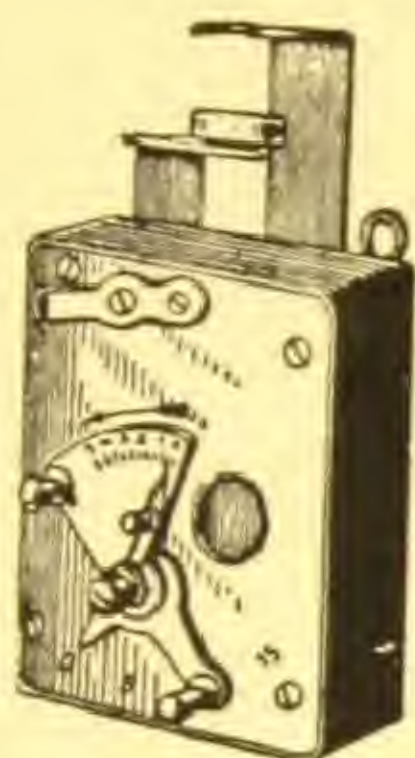


PRICES: BRILLIANT ROYAL TRIPOD SCREENS

Brilliant DeLuxe Tripod Screens	
Size	Price
30 x 40	\$15.95
40 x 40	18.25
37 x 50	21.95
50 x 50	24.95
45 x 60	28.95
60 x 60	34.50
52 x 70	35.00

Brilliant Royal Tripod Screens	
Size	Price
30 x 40	\$12.95
40 x 40	14.95
37 x 50	18.00
Brilliant Thrifty Tripod Screens	
30 x 40	11.95
40 x 40	13.95

FRAMEX SELF TIMER

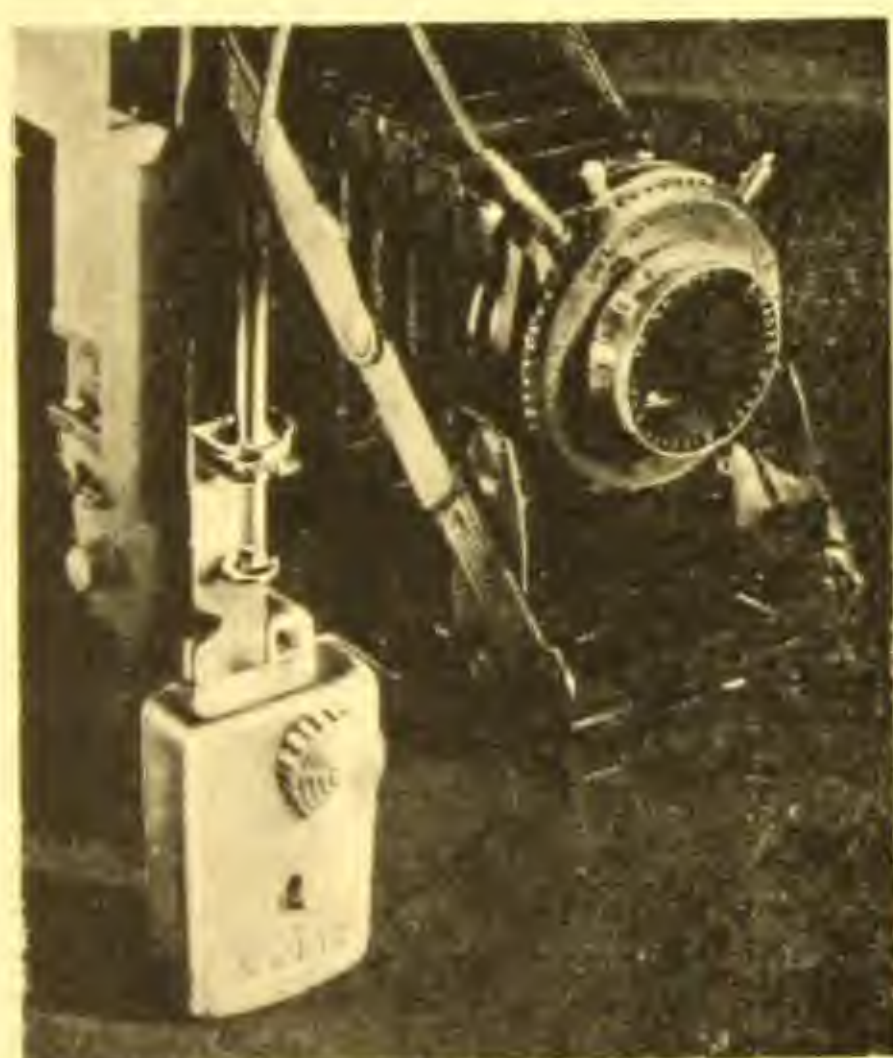


Here's the delayed action timer that is definitely superior.

The Framex delays the opening of the shutter for 15 seconds for instantaneous exposure. Reliable in action, simple to use. Heavily nickel plated.

Price \$3.30

INCLUDE YOURSELF IN THE PICTURE — Kodak Auto Release Will Trip The Shutter



A handy little gadget, which will enable those picture takers whose cameras do not have a built-in self-timer to get in the picture themselves. This device, the Kodak Auto Release, operates with a cable release and trips the shutter automatically after a pre-determined period of time. Varied periods of delay up to approximately 10 seconds can be achieved.

PRICED AT \$4.25
including Federal Tax

PALLADIUM PRINT SENSITIZER



Now you can secure all the exquisite beauty of a platinum print at much less cost. Palladium is a metal belonging to the same group as platinum, which it closely resembles in both chemical and physical characteristics. Palladium prints, if made on a pure linen paper and properly cleared and washed, are absolutely permanent.

The scale is as long, the blacks as rich and the gradations in every way the equal of those produced by platinum papers. Palladium prints can be made on paper of almost any surface or texture. The operations of sensitizing, printing and processing are the easiest in all photography. Using the Baker Palladium Sensitizing Set, you can make palladium prints at a cost less than that of some bromide papers.

The Baker Palladium Sensitizing Set has been prepared in accordance with the work done by Paul L. Anderson, the well-known writer on photographic topics, and contains, 1 Bottle Palladium Solution, 1 Bottle Ferric Oxalate Sensitizer, 1 Bottle Ferric Oxalate Contrast Control.

Price for the complete set \$7.50

PHOTOS ON CLOTH PHOTOMIC SENSITIZER

Amazing new sensitizing process easily and quickly prints your favorite negatives on almost any cloth or paper. Clear, rich-toned prints of outstanding professional quality. Surprise your friends with their photos on handkerchiefs, blouses, shirts, bandanas, scarfs, neckties, pillows, greeting cards, and rag dolls with actual photo for face. Money-maker for live-wires. Unsatisfactory methods of past eliminated by unique, recently-perfected non-gelatin sensitizer. Permanent image withstands laundering or dry-cleaning.

Photomic Sensitizing Kit contains:

1-4 oz. bottle Sensitizer

1-32 oz. Developer

1-32 oz. Fixer

Price \$7.75

When ordered separately:

Photomic Sensitizer

4-oz. bottle \$3.75

8-oz. bottle 5.50

16-oz. bottle 8.25

Photomic Fixer

32-oz. size \$2.50

64-oz. size 3.75

128-oz. size 5.00

RAPAX SHUTTER

Size	Maximum Diaphragm Opening		Lens Mount Thread Diameter		Speeds	Flange Diameter		Price	Tax
	Inch	mm	Front Inches	Rear Inches		Inside, Inches	Outside, Inches		
1	$\frac{1}{4}$	20	$\frac{1}{4}$	$1\frac{1}{4}$	1 to $\frac{1}{400}$	$1\frac{1}{4}$	$1\frac{1}{2}$	\$22.75	....
2	$\frac{1}{2}$	25.4	$1\frac{1}{4}$	$1\frac{1}{4}$	1 to $\frac{1}{400}$	$1\frac{1}{4}$	$1\frac{1}{2}$	28.50	....
3	$1\frac{1}{4}$	32	$1\frac{1}{4}$	$1\frac{1}{4}$	1 to $\frac{1}{300}$	$1\frac{1}{4}$	$2\frac{1}{4}$	37.00	....

Prices do not include wire releases.

SYNCHROMATIC-RAPAX SHUTTERS with full synchronisation for "F" and "M" type lamps. Also "X" setting for use with Electronic High Speed Lamps such as Kodatron and Wabash Electroflash, available in No. 1 size \$17.50 extra.

"X" TYPE SYNCHROMATIC-RAPAX SHUTTERS for use with Electronic High Speed Lamps, such as Kodatron, and Wabash Electroflash. For press and commercial use, in No. 1, No. 2 and No. 3 sizes \$7.50 extra.

SHUTTERS

A lens to give the maximum amount of efficiency should be mounted in a dependable shutter. Our lens department will offer you helpful suggestions and quote best prices.

PACKARD—IDEAL SHUTTER No. 5

For Time Exposures

This Shutter has three wings, with the special advantage of a very large opening in a very small shutter. For cameras having small front board it is especially adapted. In construction it is a marvel of simplicity, works easily, lightly and absolutely noiseless in opening. The small sizes may be used for time view work.

PACKARD—IDEAL SHUTTER No. 6

For Time and Instantaneous Exposures

This Shutter is the same as the No. 5 with the addition of the instantaneous attachment. It is changed from time to instantaneous exposures by simply pushing in or pulling out a small pin which goes through the front board into the shutter. This change is quickly made from the outside, and the shutter requires no setting, as it works automatically, setting itself after each exposure without opening the wings, and is always ready.



SIZES AND PRICES OF Nos. 5 AND 6

Dia. Opening Inches	Outside Dimensions		Price No. 5	Price No. 6
1 1/2	3 1/4 in. square		\$ 9.00	\$10.80
1 3/4	3 1/2	"	9.00	10.80
2	4	"	9.00	10.80
2 1/4	4 1/2	"	9.90	11.25
2 1/2	4 3/4	"	9.90	11.25
2 3/4	5	"	9.90	11.25
3	5 3/4	"	10.35	11.70
3 1/4	6	"	10.35	11.70
3 1/2	6 1/2	"	10.35	11.70
3 3/4	7	"	11.25	13.05
4	7 1/2	"	11.25	13.05
4 1/2	8	"	12.15	14.40
5	8 1/2	"	12.60	15.30

THE PACKARD No. 8 IDEAL SHUTTER

For Time and Instantaneous Exposures

Simplified and easy to operate.

One Bulb for time exposures.

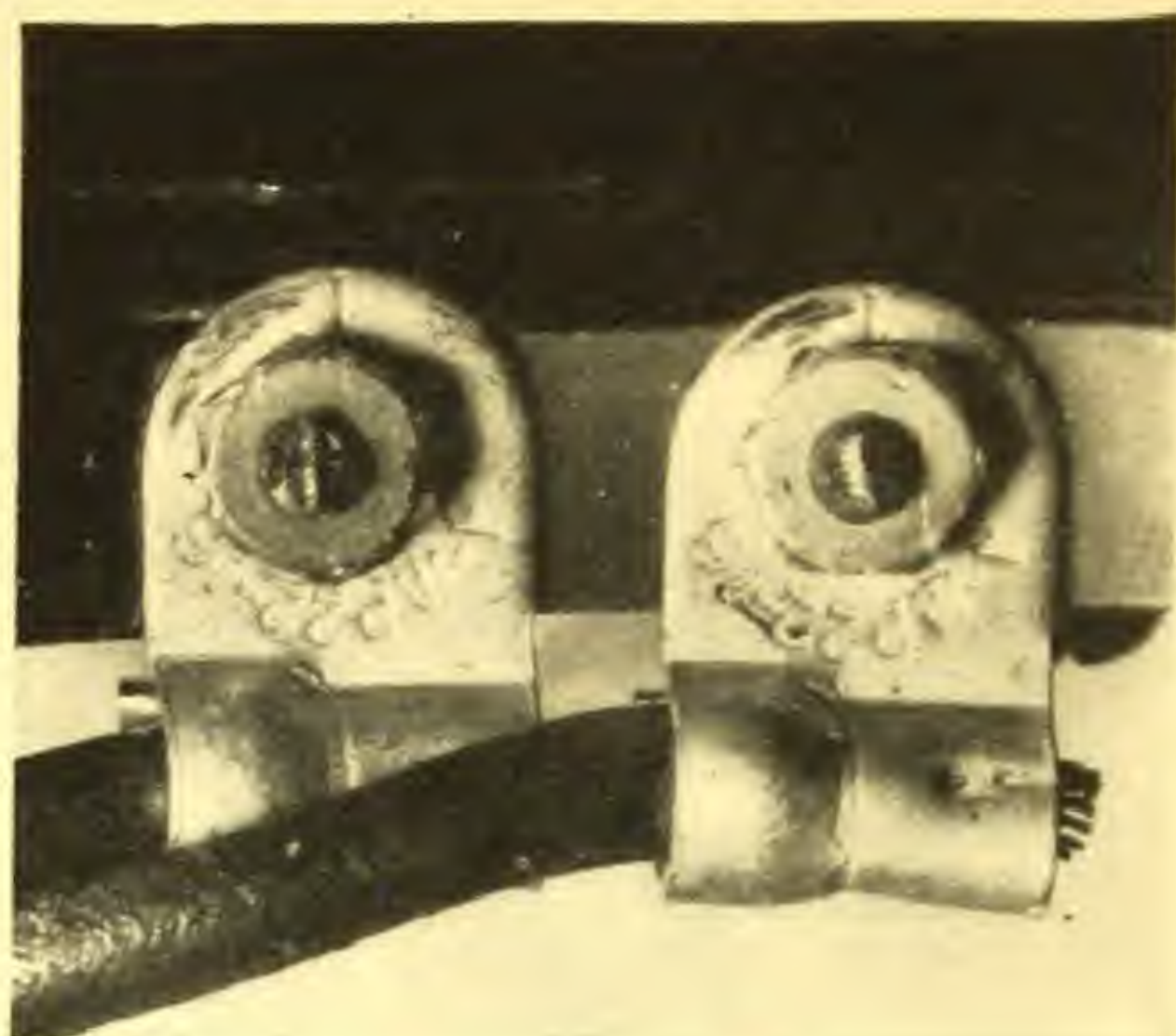
One Bulb for instantaneous work.

It is truly an Ideal Shutter in efficiency and simplicity of operation.



Diameter Opening	Outside Dimensions	Price
2 " Opening	4 " Overall	\$14.40
2 1/4 " "	4 1/2 " "	14.40
2 1/2 " "	4 3/4 " "	14.40
2 3/4 " "	5 " "	14.40
3 " "	5 3/4 " "	15.30
3 1/4 " "	6 " "	15.30
3 1/2 " "	6 1/2 " "	15.30
3 3/4 " "	7 " "	16.20
4 " "	7 1/2 " "	16.20
4 1/2 " "	8 " "	18.00
5 " "	8 1/2 " "	18.90

2 Bulbs and 2 Lengths 3 Feet Tubing Supplied With Each
No. 8 Packard Two-Way Shutter



PACKARD SHUTTERS

with
Built-in
Synchroniza-
tion

In addition to the standard models of Packard Shutters, we can now supply the No. 6 and No. 8 type with built-in-synchronization. No mechanism to adjust.—Perfect synchronization in instantaneous exposure—can be used with any type of flash equipment—completely insulated.

The No. 6 model is operated by bulb and tubing. It is changed from time to instantaneous exposures by simply pushing in a small pin which goes through the front board into the shutter. This change is quickly made from the outside, and the shutter requires no setting, as it works automatically, setting itself after each exposure without opening the wings.

The No. 8 model is operated by two bulbs. One for time exposures, the other for instantaneous exposures. Two bulbs and two 3 foot lengths of tubing supplied with each No. 8 shutter.

SIZES AND PRICES OF Nos. 6 AND 8

Dia. Opening Inches	Outside Dimensions	Price No. 6	Price No. 8
1½	3¼ in. square	\$16.20	
1¾	3½	16.20	
2	4	16.20	\$19.80
2¼	4½	16.65	19.80
2½	4¾	16.65	19.80
2¾	5	16.65	19.80
3	5¼	17.10	20.70
3¼	6	17.10	20.70
3½	6½	17.10	20.70
3¾	7	18.45	21.60
4	7½	18.45	21.60
4½	8	19.80	23.40
5	8½	20.70	24.30



No. 6



No. 8

I L E X
UNIVERSAL SHUTTERS



I L E X
A C M E S H U T T E R S



I L E X
ACME SYNCHRO SHUTTERS



Combining the dependable performance of Ilex Acme Shutters with modern built-in synchronization. Operates with all available flash equipment.

The Ilex Universal Shutter is the automatic action type. It is built to hold up under the severest conditions of every day use. As in all Ilex shutters, simplicity and ease of operation characterize the Universal.

Ilex Acme Shutters have set and release action. A gentle pressure on the new press focus button opens the shutter for focusing (except No. 00).

Speeds on Ilex Universal Shutters

- No. 0—T, B, 1, $\frac{1}{2}$,
 $\frac{1}{5}$, $\frac{1}{10}$, $\frac{1}{25}$,
 $\frac{1}{50}$, $\frac{1}{100}$
 No. 1—T, B, 1, $\frac{1}{2}$,
 $\frac{1}{5}$, $\frac{1}{10}$, $\frac{1}{25}$,
 $\frac{1}{50}$, $\frac{1}{100}$
 No. 3—T, B, 1, $\frac{1}{2}$,
 $\frac{1}{5}$, $\frac{1}{10}$, $\frac{1}{25}$,
 $\frac{1}{50}$, $\frac{1}{100}$, $\frac{1}{150}$
 No. 4—T, B, 1, $\frac{1}{2}$,
 $\frac{1}{5}$, $\frac{1}{10}$, $\frac{1}{25}$,
 $\frac{1}{50}$, $\frac{1}{100}$
 No. 5—T, B, 1, $\frac{1}{2}$,
 $\frac{1}{5}$, $\frac{1}{10}$, $\frac{1}{25}$,
 $\frac{1}{50}$

SPECIFICATION CHART

Shutter No.	Light Aperture	Lens Opening	Outside Diameter	Flange Thread Diameter
00	11/16"	29/32"	1-7/8"	1"
0	3/4"	1-1/16"	2-1/16"	1-3/16"
1	1"	1-3/16"	2-1/4"	1-5/16"
2	1-3/16"	1-7/16"	2-3/4"	1-5/8"
3	1-3/8"	1-3/4"	3-3/8"	1-15/16"
4	1-3/4"	2-5/16"	4"	2-1/2"
5	2-1/2"	3"	5"	3-1/4"

Speeds on Ilex Acme & Acme Synchro Shutters

- No. 00—T, B, 1, $\frac{1}{2}$,
 $\frac{1}{5}$, $\frac{1}{10}$, $\frac{1}{25}$,
 $\frac{1}{50}$, $\frac{1}{100}$, $\frac{1}{300}$
- No. 2—T, B, 1, $\frac{1}{2}$,
 $\frac{1}{5}$, $\frac{1}{10}$, $\frac{1}{25}$,
 $\frac{1}{50}$, $\frac{1}{100}$, $\frac{1}{200}$,
 $\frac{1}{300}$
- No. 3—T, B, 1, $\frac{1}{2}$,
 $\frac{1}{5}$, $\frac{1}{10}$, $\frac{1}{25}$,
 $\frac{1}{50}$, $\frac{1}{100}$, $\frac{1}{200}$
- No. 4—T, B, 1, $\frac{1}{2}$,
 $\frac{1}{5}$, $\frac{1}{10}$, $\frac{1}{25}$,
 $\frac{1}{50}$, $\frac{1}{100}$, $\frac{1}{150}$

PRICE LIST FOR SHUTTERS AND SHUTTERS WITH COATED LENSES

SHUTTER PRICE ONLY		Max. 10 Frames	Max. 12 Universal	Max. 15 Type Universal	Max. 18 Universal	Max. 20 Frames	Max. 25 Frames	Max. 30 Frames	Max. 35 Frames	Max. 40 Frames	Max. 45 Frames	Max. 50 Frames	Max. 55 Frames	Max. 60 Frames	Max. 65 Frames	Max. 70 Frames	Max. 75 Frames	Max. 80 Frames	Max. 85 Frames	Max. 90 Frames	Max. 95 Frames	Max. 100 Frames	Max. 105 Frames	Max. 110 Frames	Max. 115 Frames	Max. 120 Frames	Max. 125 Frames	Max. 130 Frames	Max. 135 Frames	Max. 140 Frames	Max. 145 Frames	Max. 150 Frames	Max. 155 Frames	Max. 160 Frames	Max. 165 Frames	Max. 170 Frames	Max. 175 Frames	Max. 180 Frames	Max. 185 Frames	Max. 190 Frames	Max. 195 Frames	Max. 200 Frames	Max. 205 Frames	Max. 210 Frames	Max. 215 Frames	Max. 220 Frames	Max. 225 Frames	Max. 230 Frames	Max. 235 Frames	Max. 240 Frames	Max. 245 Frames	Max. 250 Frames	Max. 255 Frames	Max. 260 Frames	Max. 265 Frames	Max. 270 Frames	Max. 275 Frames	Max. 280 Frames	Max. 285 Frames	Max. 290 Frames	Max. 295 Frames	Max. 300 Frames	Max. 305 Frames	Max. 310 Frames	Max. 315 Frames	Max. 320 Frames	Max. 325 Frames	Max. 330 Frames	Max. 335 Frames	Max. 340 Frames	Max. 345 Frames	Max. 350 Frames	Max. 355 Frames	Max. 360 Frames	Max. 365 Frames	Max. 370 Frames	Max. 375 Frames	Max. 380 Frames	Max. 385 Frames	Max. 390 Frames	Max. 395 Frames	Max. 400 Frames	Max. 405 Frames	Max. 410 Frames	Max. 415 Frames	Max. 420 Frames	Max. 425 Frames	Max. 430 Frames	Max. 435 Frames	Max. 440 Frames	Max. 445 Frames	Max. 450 Frames	Max. 455 Frames	Max. 460 Frames	Max. 465 Frames	Max. 470 Frames	Max. 475 Frames	Max. 480 Frames	Max. 485 Frames	Max. 490 Frames	Max. 495 Frames	Max. 500 Frames	Max. 505 Frames	Max. 510 Frames	Max. 515 Frames	Max. 520 Frames	Max. 525 Frames	Max. 530 Frames	Max. 535 Frames	Max. 540 Frames	Max. 545 Frames	Max. 550 Frames	Max. 555 Frames	Max. 560 Frames	Max. 565 Frames	Max. 570 Frames	Max. 575 Frames	Max. 580 Frames	Max. 585 Frames	Max. 590 Frames	Max. 595 Frames	Max. 600 Frames	Max. 605 Frames	Max. 610 Frames	Max. 615 Frames	Max. 620 Frames	Max. 625 Frames	Max. 630 Frames	Max. 635 Frames	Max. 640 Frames	Max. 645 Frames	Max. 650 Frames	Max. 655 Frames	Max. 660 Frames	Max. 665 Frames	Max. 670 Frames	Max. 675 Frames	Max. 680 Frames	Max. 685 Frames	Max. 690 Frames	Max. 695 Frames	Max. 700 Frames	Max. 705 Frames	Max. 710 Frames	Max. 715 Frames	Max. 720 Frames	Max. 725 Frames	Max. 730 Frames	Max. 735 Frames	Max. 740 Frames	Max. 745 Frames	Max. 750 Frames	Max. 755 Frames	Max. 760 Frames	Max. 765 Frames	Max. 770 Frames	Max. 775 Frames	Max. 780 Frames	Max. 785 Frames	Max. 790 Frames	Max. 795 Frames	Max. 800 Frames	Max. 805 Frames	Max. 810 Frames	Max. 815 Frames	Max. 820 Frames	Max. 825 Frames	Max. 830 Frames	Max. 835 Frames	Max. 840 Frames	Max. 845 Frames	Max. 850 Frames	Max. 855 Frames	Max. 860 Frames	Max. 865 Frames	Max. 870 Frames	Max. 875 Frames	Max. 880 Frames	Max. 885 Frames	Max. 890 Frames	Max. 895 Frames	Max. 900 Frames	Max. 905 Frames	Max. 910 Frames	Max. 915 Frames	Max. 920 Frames	Max. 925 Frames	Max. 930 Frames	Max. 935 Frames	Max. 940 Frames	Max. 945 Frames	Max. 950 Frames	Max. 955 Frames	Max. 960 Frames	Max. 965 Frames	Max. 970 Frames	Max. 975 Frames	Max. 980 Frames	Max. 985 Frames	Max. 990 Frames	Max. 995 Frames	Max. 1000 Frames
F 2.5	25 mm	\$17.00	\$15.35	\$13.55	\$11.10	\$9.10	\$49.00	\$44.00	\$34.90	\$29.90	\$22.75	\$16.50	\$48.50	\$40.50	\$10.15	\$19.90	\$11.90	\$27.00	\$12.00	\$48.50	\$15.50	\$17.50	\$19.50	\$21.50	\$23.50	\$25.50	\$27.50	\$29.50	\$31.50	\$33.50	\$35.50	\$37.50	\$39.50	\$41.50	\$43.50	\$45.50	\$47.50	\$49.50	\$51.50	\$53.50	\$55.50	\$57.50	\$59.50	\$61.50	\$63.50	\$65.50	\$67.50	\$69.50	\$71.50	\$73.50	\$75.50	\$77.50	\$79.50	\$81.50	\$83.50	\$85.50	\$87.50	\$89.50	\$91.50	\$93.50	\$95.50	\$97.50	\$99.50	\$101.50	\$103.50	\$105.50	\$107.50	\$109.50	\$111.50	\$113.50	\$115.50	\$117.50	\$119.50	\$121.50	\$123.50	\$125.50	\$127.50	\$129.50	\$131.50	\$133.50	\$135.50	\$137.50	\$139.50	\$141.50	\$143.50	\$145.50	\$147.50	\$149.50	\$151.50	\$153.50	\$155.50	\$157.50	\$159.50																																																																																																													

Each model can be supplied with interchangeable lenses of at least three different focal lengths. With purchase of more than one set of lenses to accommodate these different focal lengths, a stop plate will be supplied without extra charge.

NOTE: SEE PRICE LIST FOR FEDERAL EXCISE TAX ON ALL LENSES

ILEXPO FAST SPEED SHUTTER

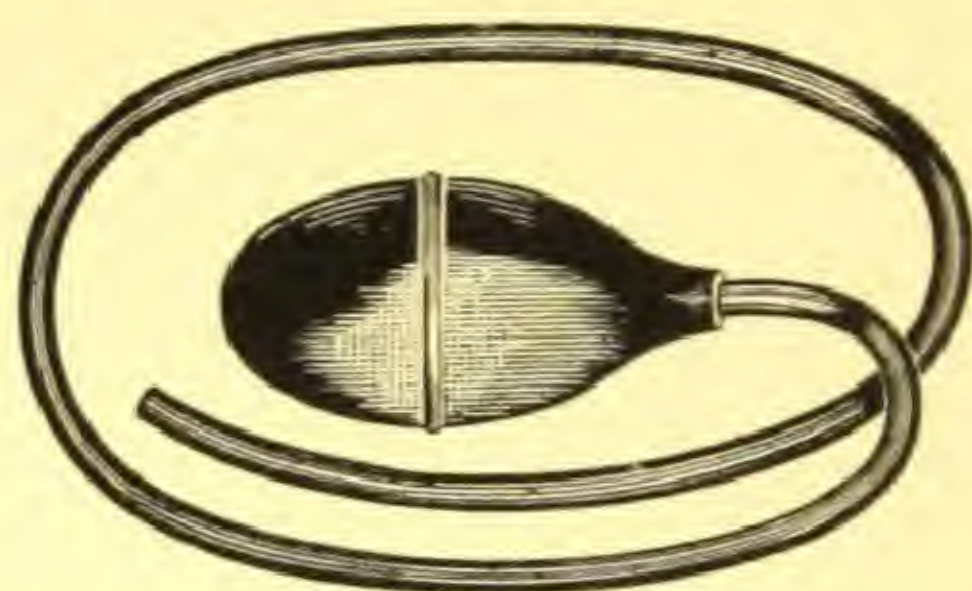


The ILEXPO is built into standard 9" x 9" and 10" x 10" front boards which simplifies attachment to the studio camera. Fitted with removable insert board to which lens barrel is attached, the inter-changing of lenses on the same shutter is as easily accomplished as inserting a plate.

ILEXPO SPECIFICATIONS

Light Aperture	Outside Dimensions	Insert Board Dimensions
(FAST SPEED MODEL)		
4 1/8"	9" x 9"	6 3/4" x 6 3/4"
4 1/8"	10" x 10"	6 3/4" x 6 3/4"
(REGULAR MODEL)		
2 1/2"	6" x 6"	4 1/2" x 4 1/2"
4 1/8"	9" x 9"	6 3/4" x 6 3/4"
4 1/8"	10" x 10"	6 3/4" x 6 3/4"

EAGLE SHUTTER BULBS AND TUBING



No. 1. $\frac{1}{4}$ oz. Black Bulb, for pocket camera, 12-in. tubing \$0.50

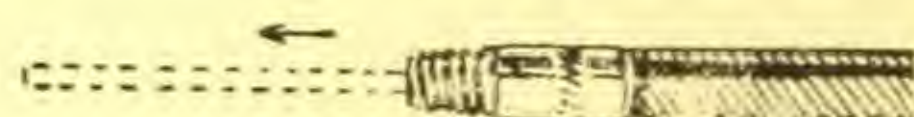
No. 3. $1\frac{1}{4}$ oz. Black Bulb, for 5 x 7 and larger, 18-in. tubing \$0.60

No. 5. $2\frac{1}{2}$ oz. extra large and heavy Black Bulb, no tubing \$0.75

No. 6 — three ft. tubing and No. 5 Bulb \$1.00

Rubber Tubing, Black, per foot \$0.10

GERMAN SHUTTER CABLE RELEASE



These are well constructed cloth covered cable releases with metal plunger tips which will not bend when pressure is applied. These releases will fit all of the popular shutters such as Compur, Kodak, Wollensak, and Ilex.

6" length, cloth covered	price	\$0.60 + \$.15 Mfg. Tax
8" length, cloth covered	price	.60 + .15 Mfg. Tax
12" length, cloth covered	price	.60 + .15 Mfg. Tax
6" — 8" or 12" metal covered		1.00
20" Cloth covered, for Compur Shutters only		1.00 + .25 Mfg. Tax
30" for Wollensak shutter		5.25

ROYAL SHUTTER TUBING COUPLER

This coupler is a small brass tube attachment for connecting rubber tubing. It may be placed in the



hole in the front board of any camera and is held firmly in position by two lock nuts. The beveled plug or plunger which enters the front end is readily adjusted to the rubber tubing, forming a complete connection, and may be disconnected instantly, without the necessity of forcing the tubing through the hole—in the old-fashioned way.

Price 35 cents

CHEMI STOP—This shortstop cries "When" when exhausted. Full quart makes greater economy of use. \$.75

MANSFIELD JR. SPLICER

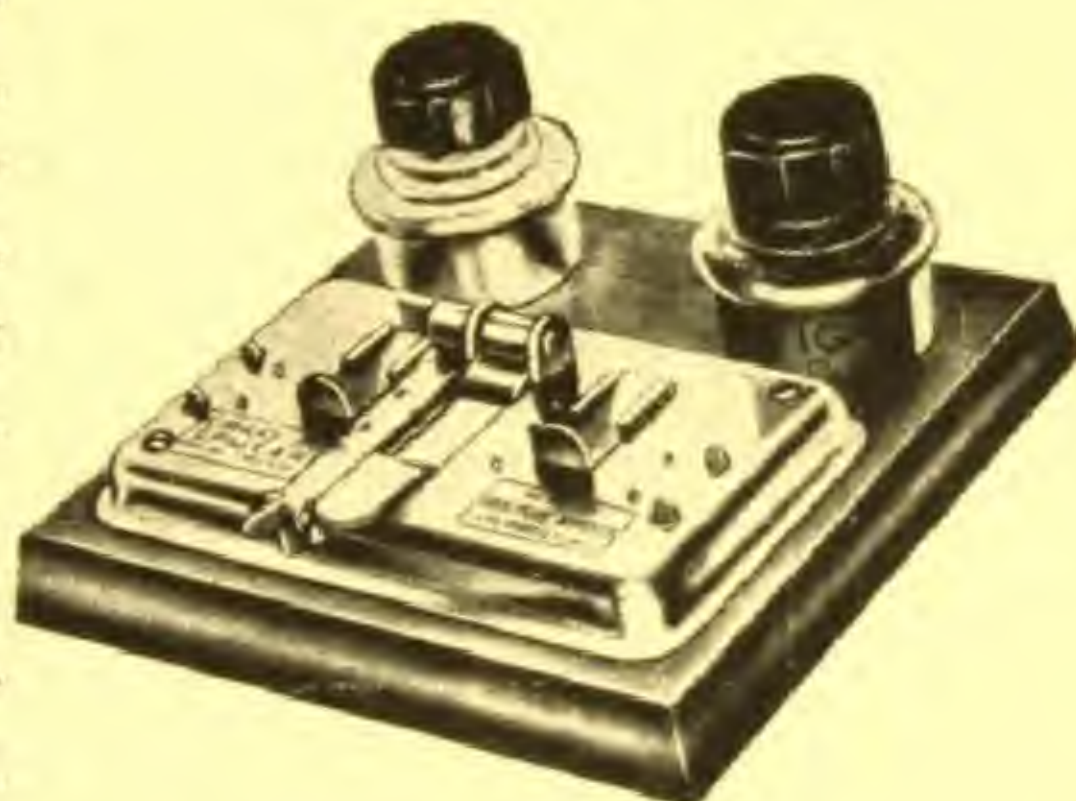
A junior model of the SWITT AUTOMATIC., but without the automatic feature. For 8mm., and 16mm., silent and sound. Complete with film cement and base.

\$ 2.95



« JUNIOR »

Here's complete splicing efficiency in a low-cost model. Light, compact, and accurate in every detail. Also adaptable for either 8mm. or 16mm. film.



Complete with scraper, water container, and cement.

\$4.50

SWITT AUTOMATIC SPLICER

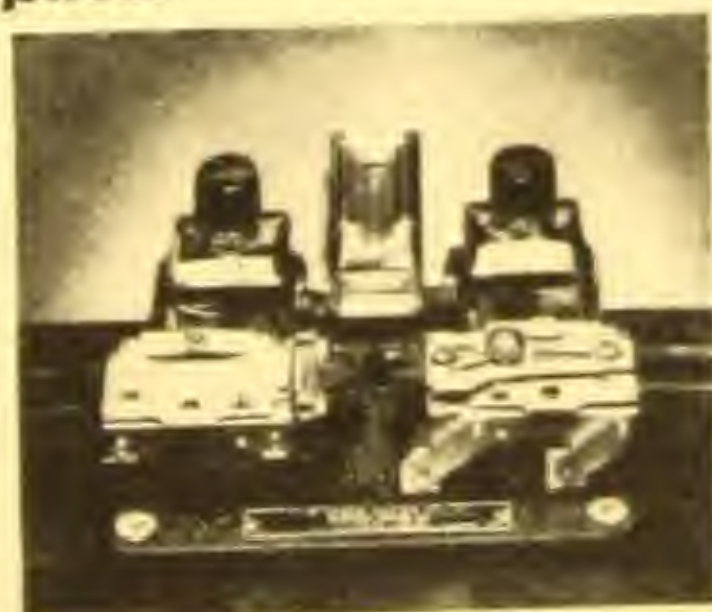
1-2-3...and your film is spliced perfectly...the only splicer that is guaranteed for life. QUICK - EASY TO USE - PERFECT SPLICE. For all films, 8mm., 16mm., silent and sound.

\$ 10.95

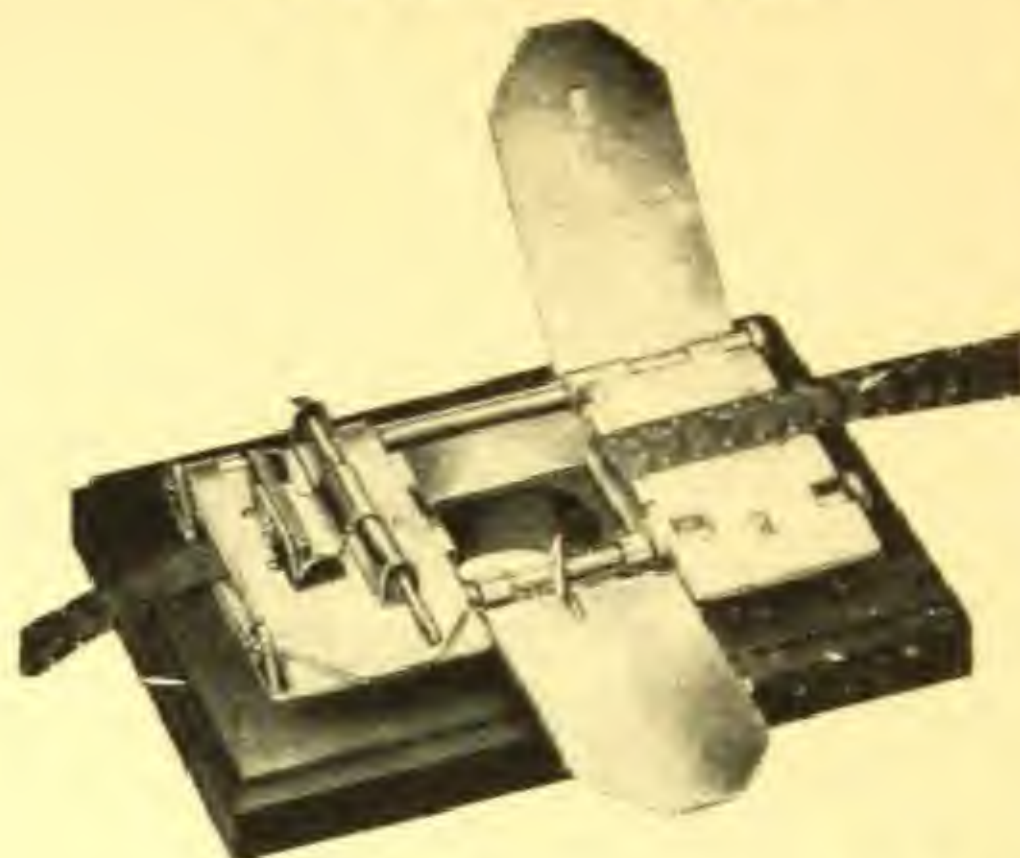


Cine-Kodak Senior Splicer

Handy, efficient outfit that includes everything needed for smooth, lasting splices of both 8mm. and 16mm. film. Advanced design eliminates tiresome hand operations. \$20.



« SENIOR »



Splices all 8mm. and 16mm. sound or silent film with ease and efficiency. No need to wet film. Splicing accomplished in four simple steps.

- 1 — Insert film.
- 2 — Cut.
- 3 — Dry scrape with the built-in scraper.
- 4 — Apply film cement and splice.

\$15.00

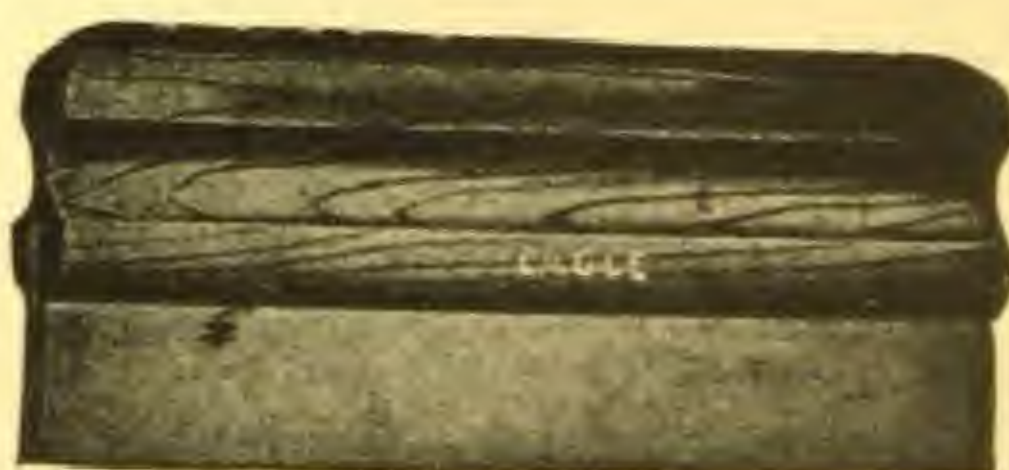
CELLULOSE FINE PORE SPONGES

No.	Size	Price
No. 4A-F size	(4½ x 3 x 1)	\$0.30
No. 6A-F size	(5½ x 3½ x 1 1/3)	0.50
No. 8A-F size	(4 x 6 x 2)	1.00
No. 10A-F size	(4½ x 7½ x 2¼)	1.50

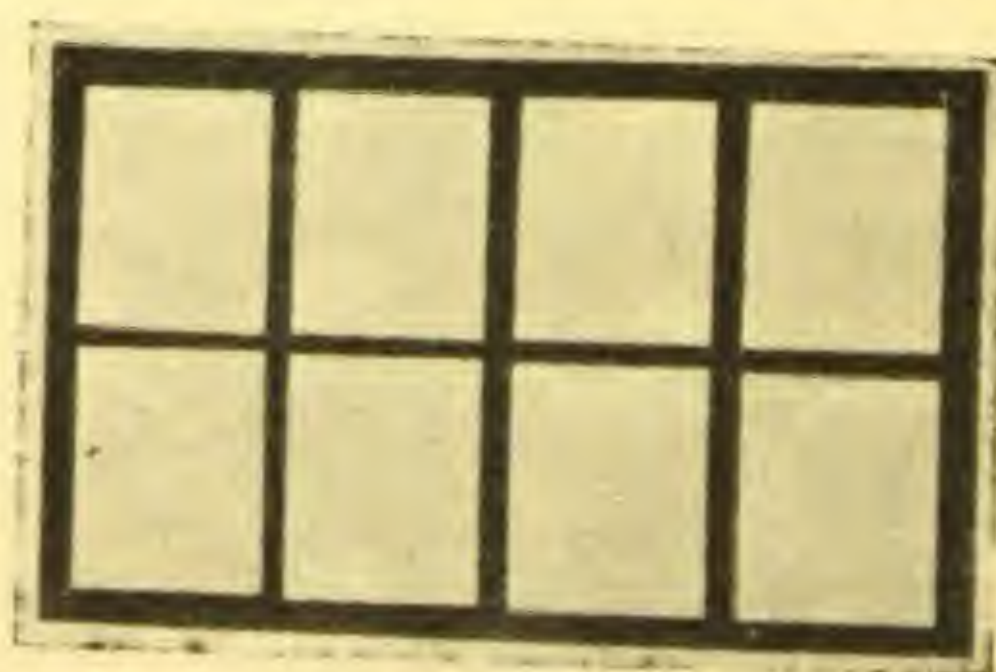
EAGLE VELVET SQUEEGEE

Suitable for all photographic processes. Squeegeeing prints on glass or ferrotype plates. Also used in the carbon process. This is of extra good quality throughout.

	Mfg. Tax	Excise Extra
4-in. each	\$.40	\$.10
6-in. each	.55	.14
8-in. each	.75	.19
10-in. each	1.00	.25
12-in. each	1.25	.32
15-in. each	1.75	.44
18-in. each	2.00	.50
24-in. each	3.00	.75



SQUEEGEE PLATES (For Glossy Prints)



Heavy Duty Black Squeegee Plates (Round Corner)

		DOZEN
10 x 14	*\$.50	\$5.40
12 x 17	* .80	8.65
14 x 20	* 1.35	12.50
18 x 24	* 2.15	20.00

For packing on less than three mail order add: 10 x 14 and 12 x 17, \$.10; 14 x 20, \$.25; 18 x 24, \$.35.

CHROMIUM SQUEEGEE PLATES



To clean use only diluted ammonia water. Do not use soap.

	EACH
10 x 14	\$1.05
12 x 17	1.53
14 x 20	2.04
18 x 24	3.15

*For packing on less than three mail order add: 10 x 14 and 12 x 17 \$.10; 14 x 20, \$.25; 18 x 24, \$.35.

Smocks for the Photographer

These are of exceptionally fine quality and workmanship with the sport turn-down collars, broad backs, open cuffs to be rolled back and open front fastening with pearl buttons all the way down; back belt and three pockets. Tan color. Chest sizes: 36, 40, 42 inches.



Price, each \$6.50

EAGLE SLEEVE PROTECTORS

These sleeves are a necessity to every photographer. They are made of a waterproof material and are a sure preventive against getting the clothing soiled from stains or dirt.

Per pair \$ 1.50

Make discarded Trays and Tanks like new

LIQUID STAINLESS STEEL

(STEEL TYPE 18/8 #302)

Resin bound flakes of stainless steel that protect and seal any clean dry surface.

For repairing corrosion spots on trays, tanks, etc.

Resistant to all normal photographic chemicals.

Clean surface well and wipe free of dust.

Apply by brush or spray, let dry over night.



PRICES

2 oz. bottle	\$.50
4 oz. bottle .....	.75
8 oz. bottle	1.35
16 oz. bottle	2.50
32 oz. bottle	4.25
1 gal. bottle	16.50

EAGLE STEREOSCOPE

No. 105. Metal hood. Black crackle finish; velvet trimmed; division between the lenses.



EACH \$6.00

SAFETEE STIRRING RODS

SOMETHING NEW IN STIRRING RODS

A tough practically unbreakable Stirring Rod which is acid, water and chemical proof. Tapers in pyramid shape from top to bottom so that it acts as a Stirring Rod and a chemical crusher. Made in three colors. White for rinsing baths, Red for Hypo and Black for Developers. Overall length 8". Please specify colors wanted when ordering.

Price per rod, any color \$0.25



EAGLE GLASS STIRRING RODS

8-inch	\$0.15
10-inch .....	.18
12-inch .....	.20
18-inch .....	.40

EAGLE STUDIO REGISTER



This register is a departure from the old form of studio registers. Complete record can be kept of each order, as columns are provided for customers name, address, negative number, records of payments, when promised, etc. Each page contains twenty lines and measures 8 x 14", all pages are alike.

The pages are made of bond ledger paper. The book is strongly bound. Index for quick reference.

No. 1—160 pages	\$5.00
No. 2—220 pages	6.00

JOHNSTON TRIPLICATE STUDIO REGISTER

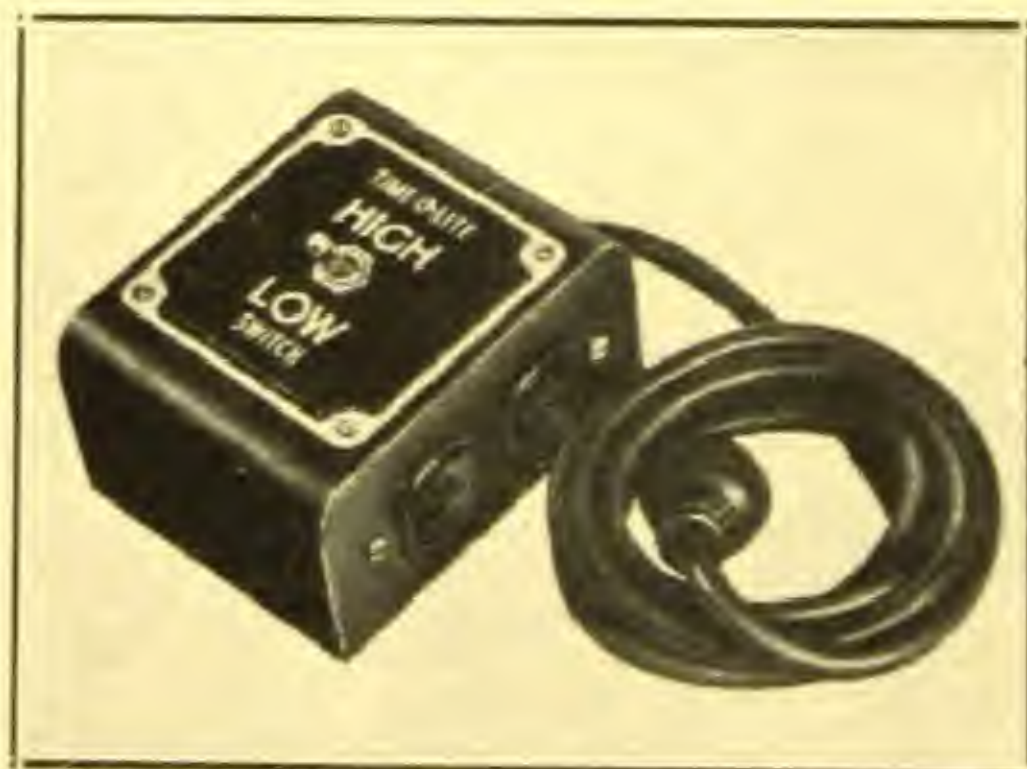
One writing of the order makes a receipt for your customer, a copy for your finishing room and a record of the transaction.

The Register consists of a neat leather-bound cover or holder for the pad of triplicate orders. The orders are put up in pads 7 x 11 inches in size, with four orders on a sheet. The leaves of the pad are in triplicate; green, yellow and white paper, with carbon paper in each pad. The pads fit neatly into the cover and are removable when filled, so that you buy but one cover. Each pad contains 200 orders in triplicate, 600 slips in all, and two pads go with each outfit, making 400 orders in triplicate, 1200 slips in all.

Complete Outfit Consists of

- 1 Red Leather, Patent Spring Back Cover or Holder,
- 2 Pads of Orders, Containing 400 Orders in Triplicate,
- 1 Separate Index to Hold 1500 Names or More.

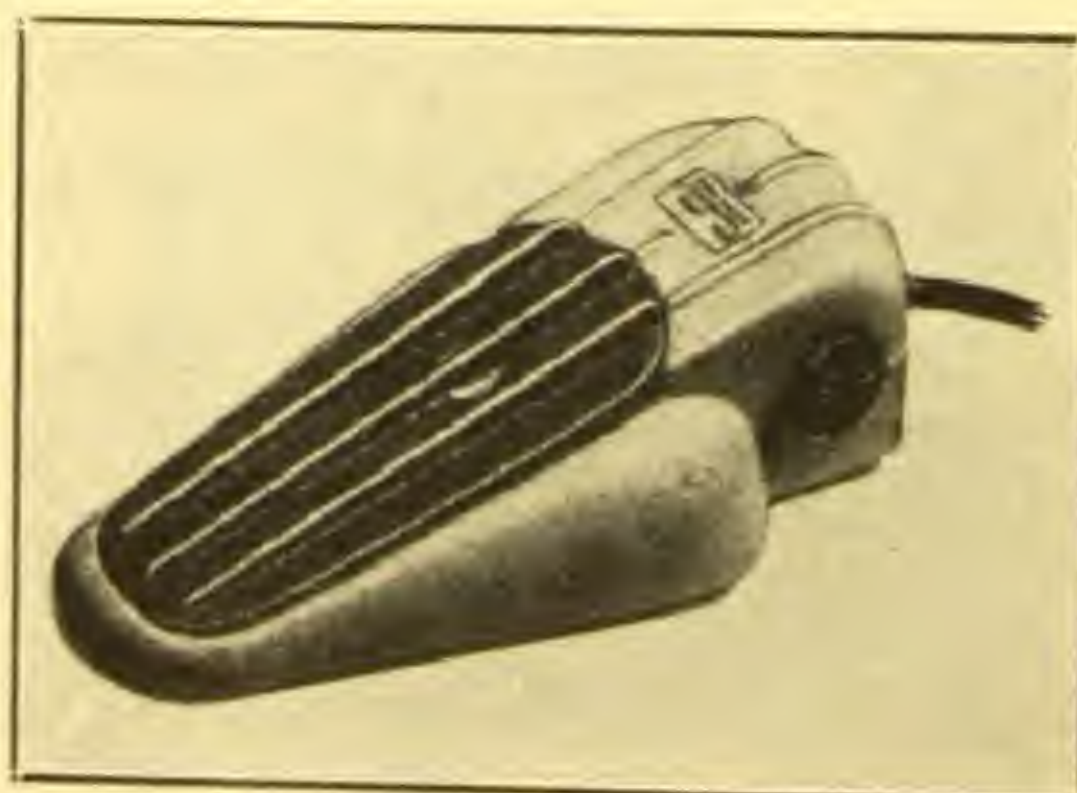
Price	\$7.50
Extra Pads, each	2.00



TIME-O-LITE HI-LO SWITCH

Connecting flood lights to the Time-O-Lite Hi-Lo Switch permits focussing while lights are burning at half their rating. Greatly prolongs life of floods, easier on models. Simple to operate. Capacity 1250 watts. Price

\$6.50

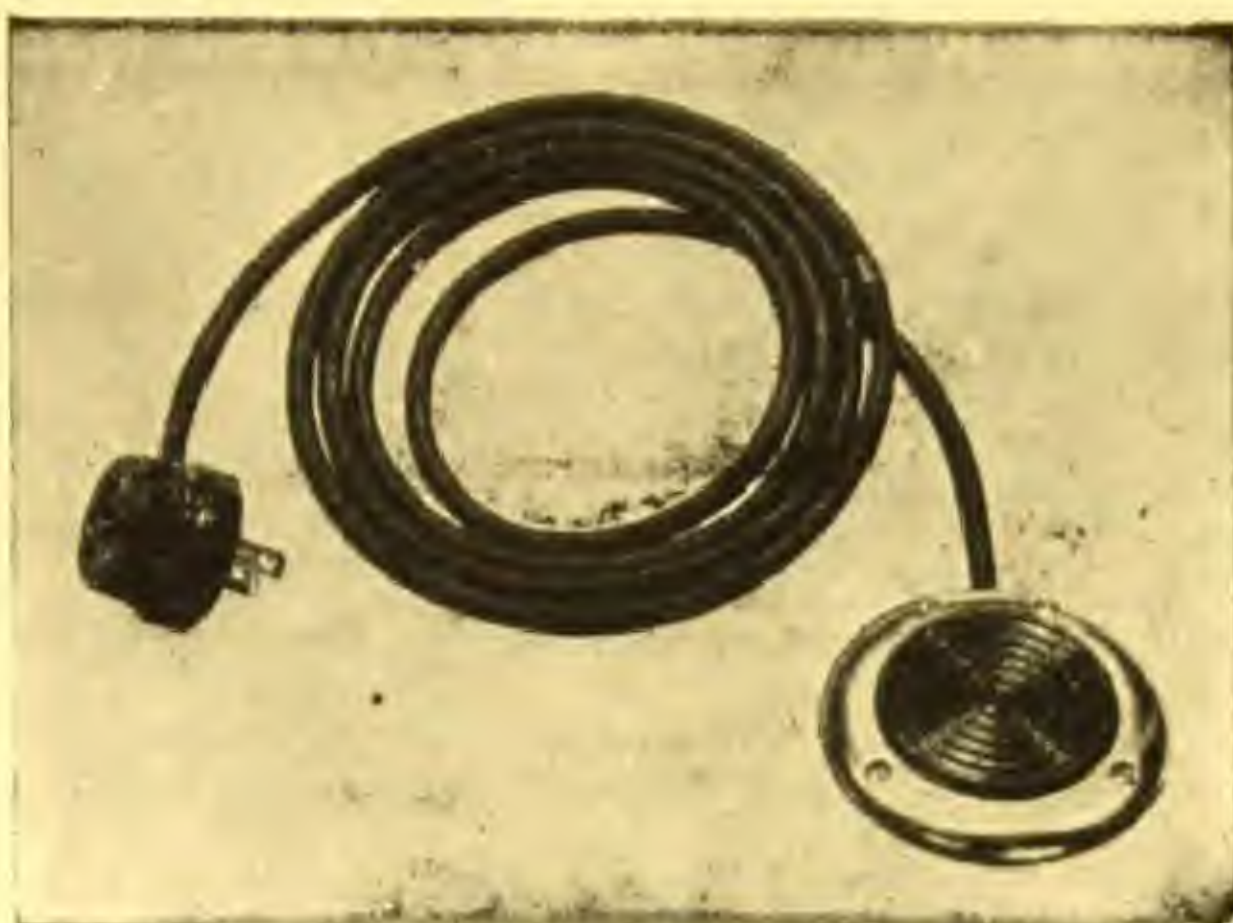
TIME-O-LITE FOOTSWITCH
Model FS-30

120 Volts, AC only, 3000 watts. Here is a heavy duty snap action footswitch to control an enlarger or printer and safe light. Safe neon pilot light shows you where to "step on it." Two black outlets, each of 1500 watts capacity, supply current to equipment when pedal is depressed, while red outlet cuts off current for darkroom safe light. Ruggedly constructed and will not skid. Price \$13.50.

Lee Foot Switch

Built like a fine watch, yet sturdy as an alarm clock. It is perfectly round and flat; three inches in diameter. Either side works. The housing is die acts metal, brightly plated and polished. Makes instant contact no matter at what point the disc is pressed. Practically unbreakable — capacity up to 1000 watts.

Price \$4.75



Kriser ELECTRIC FOOT SWITCH

CONTROLLED CONTACT WITH
INSTANT MAKE AND BREAK!



Model 42A

Substantially built. Polisher Aluminum Foot Switch for contact printing, enlarging and controlling electric current with instant make and break. Silver contacts guaranteed not to arc under heavy load.

110 Volt. AC 1000 Watts. DC 150 Watts.

PRICE — \$7.50

SERVICE FLASHMAKER

Field tested and proven by thousands of flash fans all over America, the Service Flashmaker is the best dollar value in flash guns today. The carefully-machined, all-metal Flashmaker Tripper assures long life and perfect synchronization at all times. Adjustment of the tripper is easily accomplished by following the enclosed instructions.

FEATURES:

- Tripper Design Permits Use of Self Timer.
- Direct Bulb Ejector.

Fits practically all cameras with a cable release socket!

AVAILABLE IN TWO MODELS

Model A for Argoflex and Ciroflex (with Alphax shutter).
Model B for all other shutters.

List \$7.97

DELUXE MODELS A & B

Include all of the above features PLUS an outlet for extension units.

List \$9.75

SERVICE FLASH GUNS

Specifically designed for

KODAK BROWNIE REFLEX

KODAK BROWNIE HAWKEYE

KODAK DUAFLEX

ANSCO PRE-SYNC CLIPPER

\$4.42



Kodak PHOTO FLASHER KIT

MAKES flash pictures possible with any camera having a "B" or "T" shutter setting. Perfect companion gift with Brownie Hawkeye, Target, or similar cameras. Kit includes Kodak Photo Flasher and four lamps. \$2.25



Kodak FLASHHOLDER

For synchronized flash shots—a gift that's sure to please any owner of a late-model Kodak camera with built-in-flash shutter (Kodak Tourist, Medalist II, Reflex II, and other recent models) \$11.08



SERVICE FLASH GUNS

GRAFLITE FLASH UNITS

All cameras using a solenoid or having built-in synchronization may now be equipped with the latest in flash—meaning that if you own more than one camera, this *one* flash outfit will serve your needs for all.

Cat. No.	Price
2725 2-cell and 5" reflector.	\$25.95*
2727 2-cell and 7" reflector.	24.95*
2735 3-cell and 7" reflector.	27.45*
2737 3-cell and 7" reflector.	26.45*

*Prices do not include mounting support (bracket) or connecting cord. Order as required by camera, from list shown below:

GRAFLITE Mounting Plates and Brackets

2758 L-Bracket for cameras with rectangular base.	\$2.80
2759 Platform Bracket for cameras with square base.	3.50
2754 Flat mounting plate for fastening directly to camera.	1.10
2756 Pair of Pacemaker GRAPHIC Handle Lugs for Press type and other similar cameras. . . . .	.80

Other GRAFLITE Accessories and Replaceable Parts

2701 20" GRAFLITE synchronized shutter cord (A.S.A. dual post).	1.40
2702 36" GRAFLITE synchronized shutter cord (A.S.A. dual post).	1.60
2707 Model G (twin tip) Cord.	1.50
2708 Bayonet (A.S.A.) Cord for Ansco, Kodak, Roamer, etc.	1.95
2713 Shoe (A) Cord for Argus Cameras.	2.35
2714 Cap (Continental) Cord for Synchronized Prontor shutters.	1.95
2716 Block Post Cord for Argus C3.	2.35
2718 Shoe (B) Cord for Universal Cameras.	2.35
2719 Shoe (C) Cord for Stereo Realist.	2.35
2712 GRAFLITE Side Lighting Unit, including # 2706 extension cord, less reflector.	16.00
2747 7" GRAFLITE reflector for medium screw base flash lamps, only.	6.50
2749 5" GRAFLITE Focusing Reflector for small bayonet base flash lamps, only.	7.50
2746 Shield for 5" GRAFLITE Reflector.	4.20
2705 16" GRAFLITE Twin Case Connector Cord.	1.05
2706 15" GRAFLITE Extension Cord (for replacement)	1.50
2774 GRAFLITE 1-cell extension tube (may be used in multiple).	1.50

"FLASH KING" SYNCHRONIZER

One of the finest, inexpensive flash synchronizers on the market. A tried and tested product. Positive synchronization. For use on cameras with hand set shutters using G.E. S.M. Flash lamps at all speeds. Will synchronize miniature focal plane shutters with No. 6 G.E. bulbs at shutter speeds from 1/100 second to top speeds. Use No. 5 G. E. bulbs with hand set shutters at speeds from 1 second to 1/50 second.

Each Flash King is tested to synchronize and is guaranteed to synchronize any between-the-lens cocking type of shutter that the Flash King and the cable release will trip. It is guaranteed to synchronize at all speeds, including the top speed of the camera, providing the correct flash bulb is used.

Model S.M. Flash King Synchronizer \$10.25
Tax included

Specifically designed for PRONTOR PRE-SYNC SHUTTERS

These shutters are found on most post-war German imported cameras.

- Specially fitted Prontor tip.
- Chrome on brass reflector.
- Direct bulb ejector.

\$7.13

UNIVERSAL ELECTRIC MODEL "SS" SYNCHRONIZER FOR SYNCHRONIZED SHUTTERS



For use on Speed Graphics or similar cameras equipped with shutters having built-in synchronizing switches. It enables the photographer to have both hands free to steady the camera. The shutter is tripped by pressing a button on the back of the flashing unit. The connecting cord between shutter and battery case plugs in at the bottom of the case and is out of the way. Battery case has two plug-ins which permit the use of extension flash units.

Will fit Wollensack Synchronized Shutters, Graphic, Bush Pressman, B & J Press Cameras, and all cameras with built-in Synchronization except Eastman cameras.

Price	\$12.00
Plus \$2.50 Federal Excise Tax	
Midget Adapter and Reflector for Midget Lamps extra	1.95
Plus 15c. Federal Excise Tax	
12 in. Cable Shutter Release	1.00
Batteries, each .....	.15

LEICA SYNCHRONIZED FLASH UNIT,

The Leica Synchronized Flash Unit is the *only* unit which is positively synchronized to the shutter of the Leica camera. And it is the *only* unit which equips the Leica user for *any* flash picture, whatever the lighting or shutter speed requirements might be.

Completely redesigned and improved, the new Leica Flash Units, Models VIII and VIIla, enable you to make flash shots at ALL shutter speeds, 1/20 to 1/1000 sec., with the type of flash bulb you prefer.

The Leica Flash Unit you buy will be individually synchronized to your Leica by E. Leitz, Inc., N. Y. Various accessories for remote and multiple flash lighting can further extend its usefulness.

\$63. installed



The Angle Bracket with 14" cord, attached to Flash Unit and Leica IIlc Camera



Master Automatic Speed Flash



FIG. 1

For more advanced use, such as extension light and multiple flash, the KALART Master Flashing Unit is recommended. Utilizing the improved Master Battery Case—it will accept standard outlets such as floor and table lamps are equipped with, for firing two bulbs simultaneously when making home portraits or for unusual lighting effects. Complete with Master Battery Case, Paraplanatic Reflector, Angle Extension Bracket and Bayonet Connecting Cord.

Price \$14.50 Complete

THERE'S A KALART SPEED FLASH FOR ALMOST EVERY CAMERA MADE

Which model KALART Speed Flash you select depends on the camera you own and the type of photography you do. For snapshots, choose the KALART Compak, which has a specially designed reflector to take midget bulbs only. For versatility, choose the KALART Master. Its reflector is adjustable for all sizes of flashbulbs. Choose the *Passive Synchronizer* if your camera has a self-setting type shutter such as the popular priced Kodaks with Dak, Dakon and Kodon shutters and similar Ansco cameras with Antar, Tripar and Hypar shutters. Also the Argus A and A2 and other cameras fitted with Ilex and Wollensak self-setting shutters. Choose the *Automatic Synchronizer* if your camera has a set-and-release type shutter such as Compur, Compur Rapid, Supermatic, Graphex, Rapax, etc. See your nearest KALART dealer without delay. He can attach the proper KALART Speed Flash to your camera in just a few minutes.

MASTER AUTOMATIC SPEED FLASH	\$24.60
COMPAK AUTOMATIC SPEED FLASH	\$19.90
COMPAK PASSIVE SPEED FLASH	\$ 8.95
MASTER PASSIVE SPEED FLASH	\$16.30

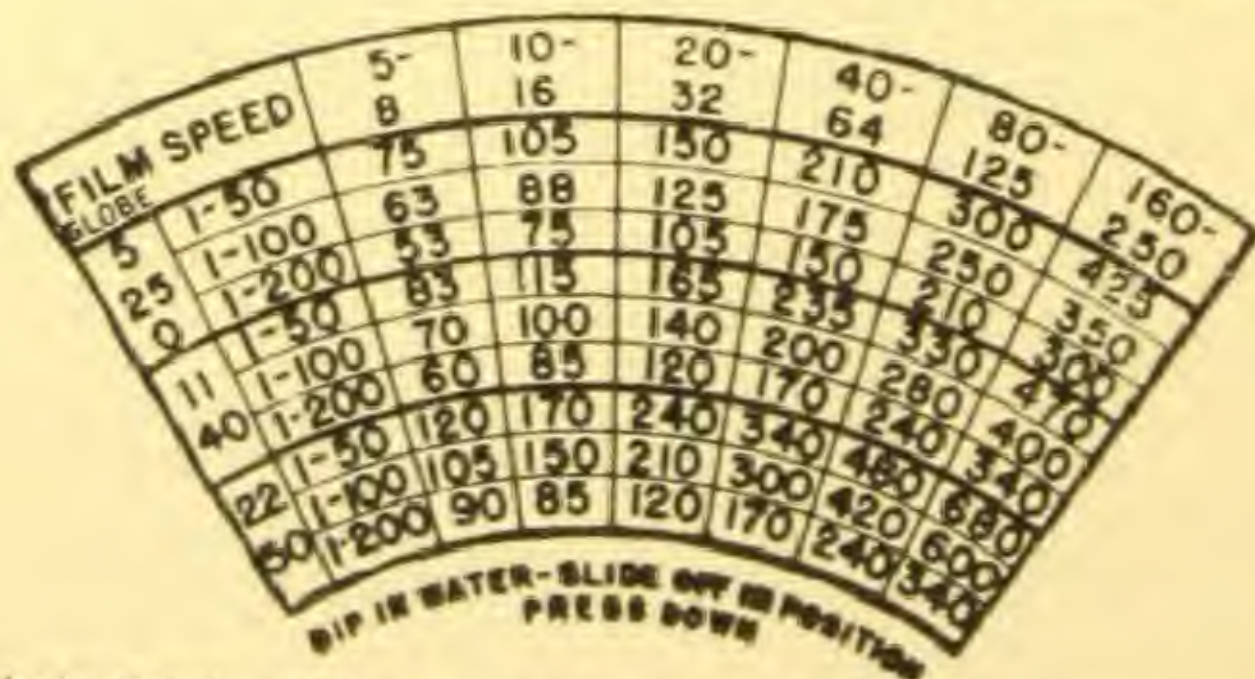
If your Kodak Camera has the special bayonet type connector for its built-in synchronizer, the KALART Compak Flashing Unit (Fig. 1) is just what you need to take those simple *Speed Flash* snaps of groups, parties, etc. Small-Compact—It is simply

attached to any camera. Just plug the special cord to the bayonet connector, insert the bulb and you are ready to shoot. Complete with Compak Battery-Flector, Extension Bracket and Bayonet Connecting Cord.

Price \$8.15 Complete
Including Federal Tax

Either model can be used with the following Kodak Cameras with flash shutters: Vigilant 620, Vigilant Jr. 620, Monitor 620, Kodak 35, Kodak 35 R. F. Model, Kodak Reflex and Medalist.

PHOTO FLASH GUIDE (Decalcomania)



It's easy to set your lens opening to correspond to your shutter speed for varying distances when you have this handy guide to refer to. Merely soak the support card in water and the decal-guide can be transferred to the back of your flash reflector for easy reference—covers the complete range of films up to 250 Weston.

Photo-Flash Guide Decalcomania each, 15 cents.

Postpaid 18 cents

SCOTCH PHOTOGRAPHIC MASKING TAPE (Black)

(Patents Pending)



This tape marks a distinct departure from the old mussy method of wetting gum paper for masking and general photographic use. It is soft and pliable specially prepared paper with an adhesive that grips firmly but which will not leave the paper on which it is coated when pulled up.

Just tear off a strip of Scotch Masking Tape and lay it across the negatives, as shown in the illustration at side of page. It adheres immediately, lies flat without moistening and, even better still, you can remove it without leaving any mark. It retains its adhesiveness and can be used over and over again.

$\frac{1}{2}$ in. x 60 yds.	\$0.99
$\frac{3}{4}$ in. x 60 yds.	1.23
1 in. x 60 yds.	1.52

SCOTCH CELLULOSE TAPE TRANSPARENT

We are pleased to advise that we can now supply this popular tape in limited quantities.

This tape requires no moistening. Adheres instantly and lies perfectly flat. Readily removed and can be used repeatedly. Leaves no marks on either paper or film surface. Very useful for masking, binding lantern slides, repairing broken negatives, etc.

$\frac{1}{2}$ in. x 72 yards	\$1.28	1 in. x 72 yards	\$2.12
$\frac{3}{4}$ in. x 36 yards .....	.90	$\frac{3}{4}$ in. x 72 yards	1.60

YANKEE ADJUSTABLE ROLL FILM TANK

For Film Numbers 105, 116, 117, 120, 121, 127, 128, 129
820 616, 828 and 35 mm. 36 Exp.

Are you looking for a real foolproof Adjustable Roll Film Developing Tank? We suggest that you try one of the Yankee Tanks. Easy to load, quick and positive adjustment to any size from 35 mm. to 116 size. Wide grooves eliminate the usual buckling of film, and allows the developer to circulate freely. One of the best roll film tanks offered at this attractive price.



Yankee Adjustable Roll Film Tank \$3.30

JOHNSON J-20 DEVELOPING TANKS FOR SIZE TWENTY FILMS



THERMOMETER STIRRING ROD

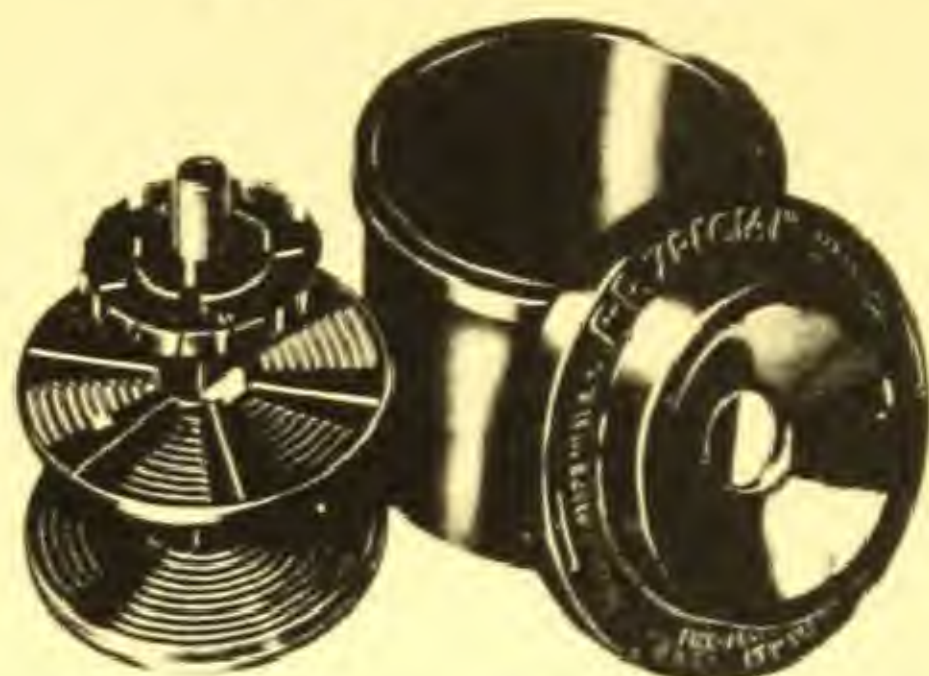
A new accessory for use with the J-20 and the Adjustable Tanks. Fits into the spiral and enables a check to be kept on temperatures. Unscrews for cleaning.

Here is a tank that is made specially for the popular size 120 films ($2\frac{1}{4}$ in. wide). Only requires 10 ozs. of developer. The sturdy one-piece spiral is easy to load. Pouring lip on the body for splash-free emptying. Triple light-trapped lid locks on with a quarter turn and has a built-in funnel. Celluloid calculator disc fitting on the lid gives the correct developing times for most of the popular makes of films.

PRICE \$5.55+MFG. TAX \$1.39

FR DEVELOPING TANKS

FR SPECIAL



- ADJUSTABLE Roll Film Developing Tank for all roll films 35 mm. to 116.
- CHEMICALLY RESISTANT — Bakelite Tank with Stainless Steel Clip.
- REVOLVING LIGHT TRAP insures absolute darkness.
- TWO-WAY LOADING — from inside or outside of reel.
- INSTANTANEOUS LOADING even when reel is wet.
- CHECK STOP prevents film from unreeling during agitation.

PRICE.....\$3.45

FR MODEL C



- ADJUSTABLE all bakelite tank for roll films, 35 mm. to 116.
- DOUBLE FLANGE ACCESSORY permits simultaneous development of two 36 exposure rolls of 35 mm. film.
- Patented FR CHECK STOP prevents film from unreeling.
- LIGHT PROOF, moisture and warp-proof chemically resistant tank.

LIST PRICE.....\$5.25

FR DOUBLE FLANGE.....\$1.45

FR 35mm TANK



- ACCOMMODATES roll films for all 35 mm. cameras.
- PATENTED FR STOP CHECK prevents film from unreeling.
- COVER LOCK prevents tank being opened accidentally.
- BUILT-IN THERMOMETER WELL and scientifically designed pour-out.
- ECONOMICAL — only 16 ounces of chemical solution required.

PRICE.....\$4.10

FR CUT FILM TANK



- ADJUSTABLE — will accommodate 12 films at one time of any size cut film or film pack up to 4 x 5.
- SPECIAL LOADING GUIDE — once loaded the film cannot slip.
- ADJUSTABLE SLIDES cause films to assume an accurate curve.
- GUARANTEED light proof and warp-proof.
- AIR OUTLET VALVE permits rapid filling and draining.
- CHEMICALLY RESISTANT bakelite tank.

PRICE.....\$9.30

(All prices Tax Incl.)



Johnson UNIVERSAL Adjustable Tank

A completely re-designed version of the famous Johnson Adjustable Tank. A new, deeper body stops solutions spilling over. The improved spiral takes No. 116, No. 120, No. 127 roll films, 36-exposure lengths of 35 mm. film and approx. 60 in. of 16 mm. film.

PRICE \$6.00

Plus \$1.50 Fed. Excise Tax

NIKOR TANKS



Long famous for SIMPLICITY, Ease of HANDLING, DURABILITY, ECONOMY OF SOLUTIONS, and production of brilliant, unfogged, unscratched negatives.

Made entirely of stainless steel, and welded to avoid use of solder, NIKOR tanks entirely eliminate chemical fog. The smooth, hard surface will not absorb old chemicals, nor permit particles of indissolved chemicals to cling.

Only small amount of developer required (8 oz. and up) due to compactness of design. Even development assured by open construction of reels and cages and wide spacing of film.

For V.P. roll film	\$7.62 + \$0.88 tax
For 2 1/4 x 3 1/4 rolls	7.62 + .88 tax
For 2 1/2 x 4 1/4 rolls	7.62 + .88 tax
For 35 mm 40 exposures	6.67 + .83 tax
For two 35 mm 40 exposures	10.70 + 1.15 tax
Adjustable cut film and film pack tank	14.80 + 1.70 tax
Multiple developing tank, without reels	7.12 + .78 tax
Extra reels, regular models	3.84 + .45 tax

FEDCO ROLL FILM TANK

Handles all films from 35mm to No. 116 size. Fool-proof snap lock cover makes tank absolutely light-proof. Hollow center core to permit insertion of a thermometer. Easy to load and smooth in operation. Cover is red while tank itself is black.

\$3.10

FEDCO CUT FILM TANK

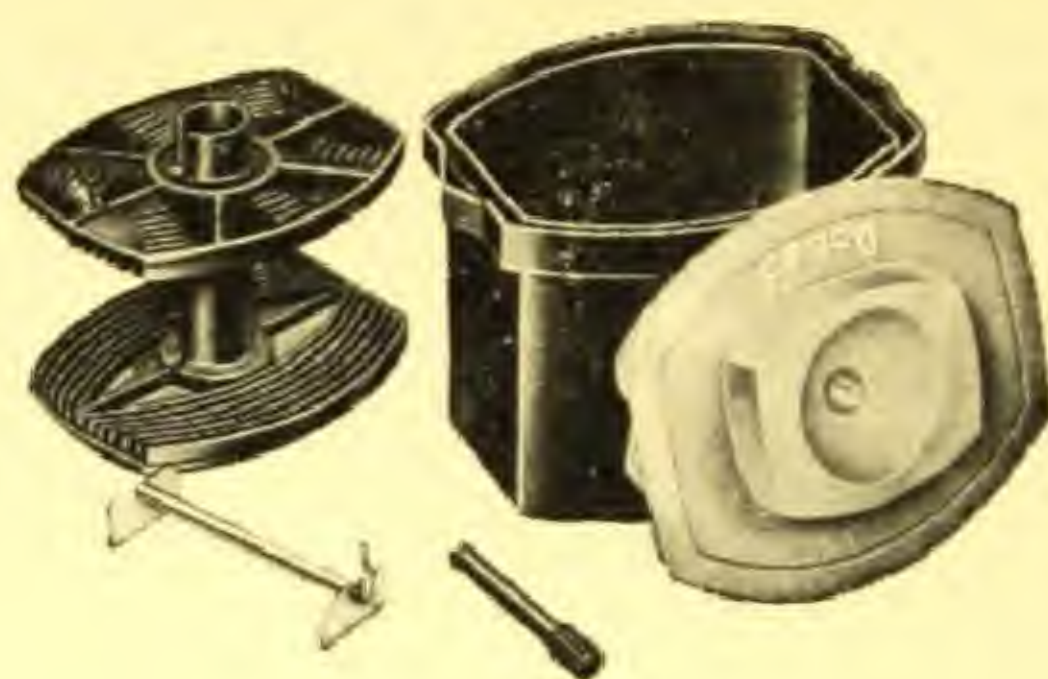
Essentially the same appearance and specifications as the Fedco Roll Film Tank except that the cut film tank is fitted with a special Helical core reel adjustable to accommodate cut film or film pack in sizes 2 1/4 x 3 1/4 and 2 1/2 x 3 1/2. An economical tank for those using these film sizes.

\$3.85



FEDCO de Luxe Adjustable Sheet Film Tank

For Sheet Film . . . Either Cut or Film Pack . . . In Sizes $2\frac{1}{4} \times 3\frac{1}{4}$, 6.5 x 9 cm., $3\frac{1}{4} \times 4\frac{1}{4}$ ", 9 x 12 cm. and 4 x 5".



Perfect development, rapid operation, economy and safety are all combined to provide the ultimate in all-around satisfaction.

Holds 1 to 12 sheets of film. Adjustable to all sizes. Easily loaded. Special loading fixture works accurately and quickly. Easily fitted cover makes darkroom fumbling unnecessary. Solution poured through light-trapped opening. Very rapid pouring from either end avoids over-time development. Absolutely light-tight. Economical, take only 45 ounces of solution. Agitation rod supplied for mild agitation. Ends designed for convenient handling and strong agitation. Acid resistant bakelite, safe for all chemicals. Stem-type thermometer can be inserted directly into solution.

PRICE \$5.60 tax incl.

KEMP DEVEL-O-TANK

Designed as a complete and compact Developing unit, offering convenience, efficiency and economy to amateur and professional alike, the Kemp Devel-O-Tank is complete in every detail.

Adjustable from 35 mm. to 4"x5". It accommodates any cut film, film pack or plates within these specifications. It is divided into three compartments for developer, short stop and hypo.

Overall dimensions: 19½" long; 5" wide; 6½" deep. Each compartment holds 64 oz. of solution. Built entirely of hard rubber and stainless steel, this tank is fitted with light tight covers, individual drain cocks for each compartment and "Slow Drain" plug which converts Short Stop cavity into an efficient film washing compartment.

Due to light tight covers, little oxidation is permitted and solution may be stored in this tank.

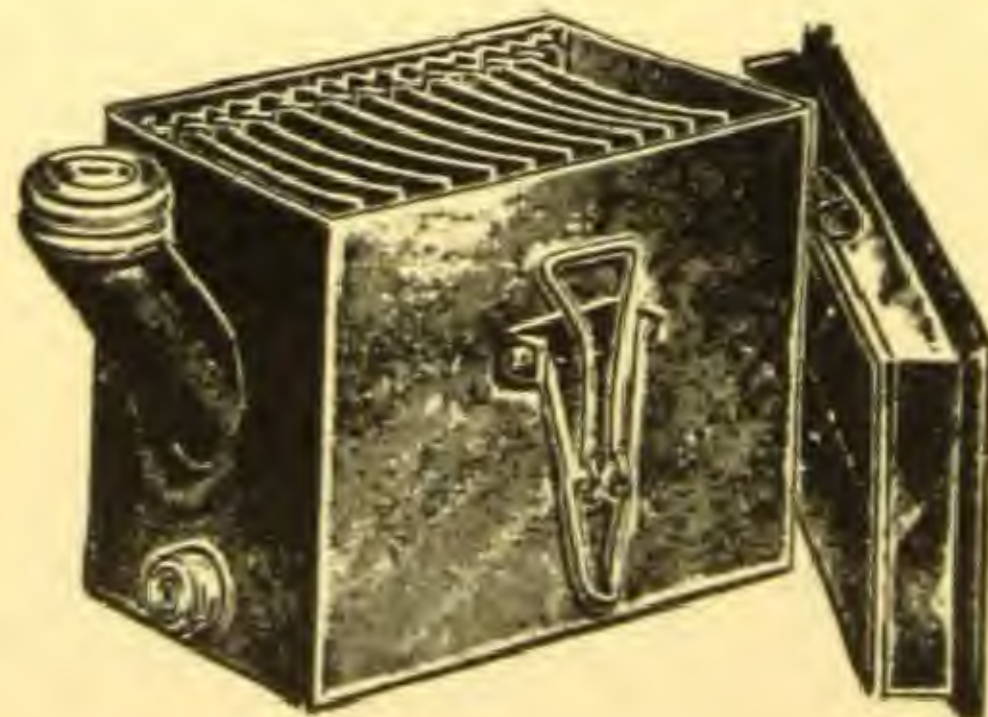
Price complete as described above \$17.45



DALLON 12-DEVELOPING TANK

For either Cut Films, Plates or Film Packs (Daylight Development)

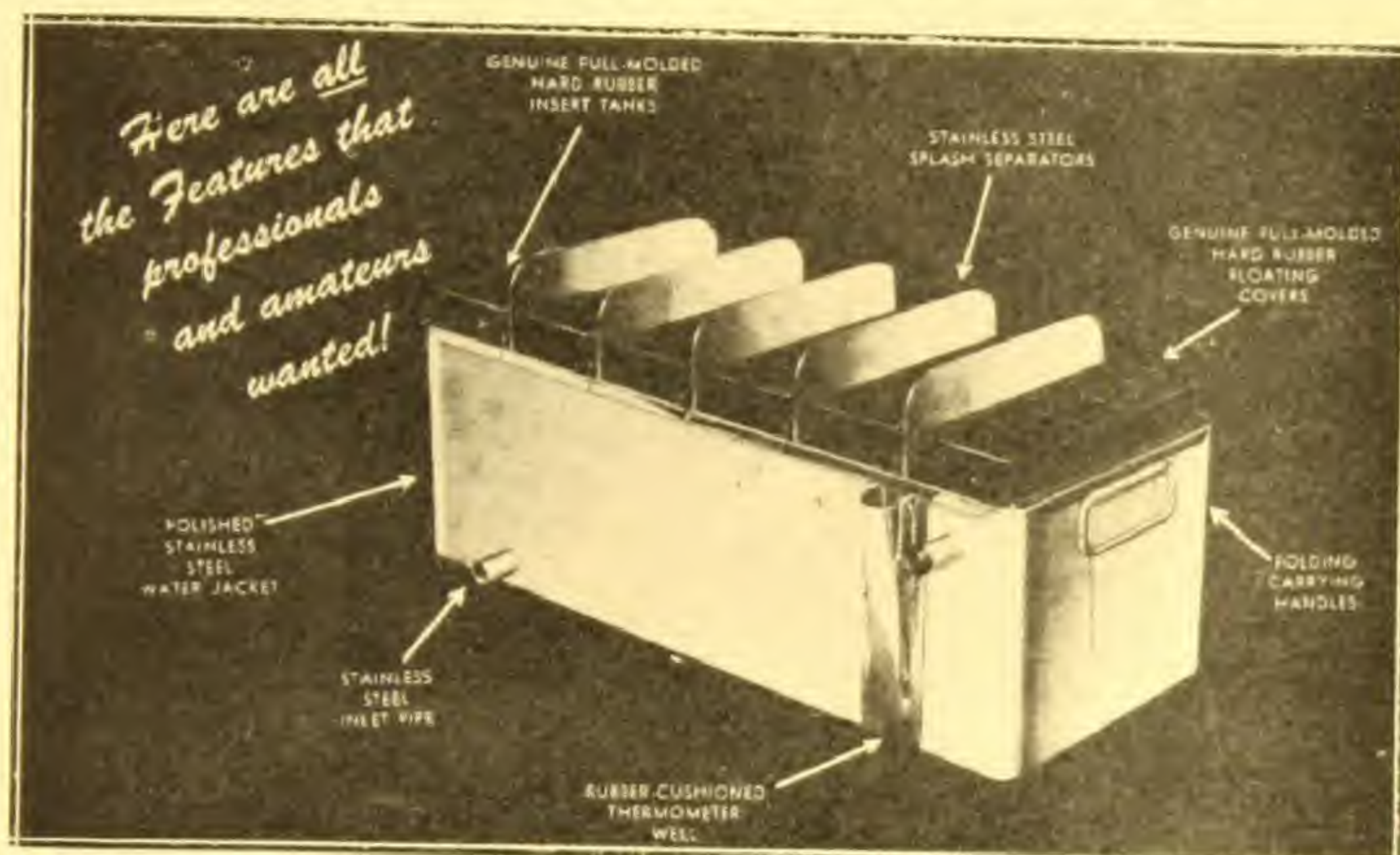
Developing, fixing and washing, without removing plates or films. Load tank in darkroom and the rest can be done in daylight. Each tank holds twelve films or plates. They are made of nickel.



PRICE COMPLETE WITH SHEATHS AND RACKS

	Capacity in ozs.	Mfg. Price Tax
4.5x6 cm.	13	\$22.75+ \$5.69
6.5x9 cm.	28	22.75+ 5.69
9x12 cm.	64	24.75+ 6.19
10x15 cm.	80	24.75+ 6.19
$2\frac{1}{4} \times 3\frac{1}{4}$	32	22.75+ 5.69
$3\frac{1}{4} \times 4\frac{1}{4}$	54	22.75+ 5.69
$3\frac{1}{4} \times 5\frac{1}{2}$	75	24.75+ 6.19
4x5	75	24.75+ 6.19
5x7	128	30.00+ 7.50

M-70 COLOR DEVELOPING OUTFIT



The M-70 Series offers a very flexible developing system for either black and white or color processing. It is particularly well suited to color work. This new system can be supplied in 3, 4, 5, 6, 7, or 8 insert tanks. . . . For highest efficiency, insert tanks and floating covers are made of genuine hard rubber. Experience has shown hard rubber to be a superior material for photographic chemical containers plus its added value as an insulator to resist temperature changes. The water jacket is of heavy gauge polished stainless steel with all seams spot welded and soldered. Water circulates evenly through the jacket, delivering equal temperatures to each tank. Other distinctive features include a built-in thermometer well for constant temperature reading, stainless steel anti-splash shields between tanks to protect solutions, and folding handles for easy moving and carrying. . . . The M-70 Series meets all requirements for Ansco and Ektachrome Process.

PRICE SETS

	Price	Excise Tax
MODEL M70-3		
Water Jacket; 3 Tanks and 3 Floating Covers	\$52.50	\$6.56
MODEL M70-4		
Water Jacket; 4 Tanks and 4 Floating Covers	64.00	8.00
MODEL M70-5		
Water Jacket; 5 Tanks and 5 Floating Covers	75.00	9.38
MODEL M70-6		
Water Jacket; 6 Tanks and 6 Floating Covers	86.50	10.81
MODEL M70-7		
Water Jacket; 7 Tanks and 7 Floating Covers	98.50	12.31
MODEL M70-8		
Water Jacket; 8 Tanks and 8 Floating Covers	110.00	13.75
TANKS — HARD RUBBER		
½ Gallon Capacity—5 x 7	3.00	.38
FLOATING COVER	.90	.11



5 x 7 DEVELOPING TANK No. 257

Three-section composition tank, each compartment measuring 2" in width x $7\frac{1}{2}$ " in length to accommodate film hangers up to and including size 5" x 7". Center compartment has overflow (or intake) with nipple, all-three compartments are equipped with $\frac{1}{2}$ " outlets and plugs.

Tank No. 257 \$9.50

ACE TANKS

Because it is made of rubber, this box may be used for developing or fixing. Made to stand hard constant usage, proof against leakage, cracked surface and leakage.

4 x 5 size measures $3\frac{3}{4}$ x 6 x 6" deep for 4 x 5 or smaller cut film hangers \$2.10

5 x 7 size measures $4\frac{1}{2}$ x $7\frac{3}{4}$ x 7" deep for 5 x 7 or smaller cut film hangers \$2.60

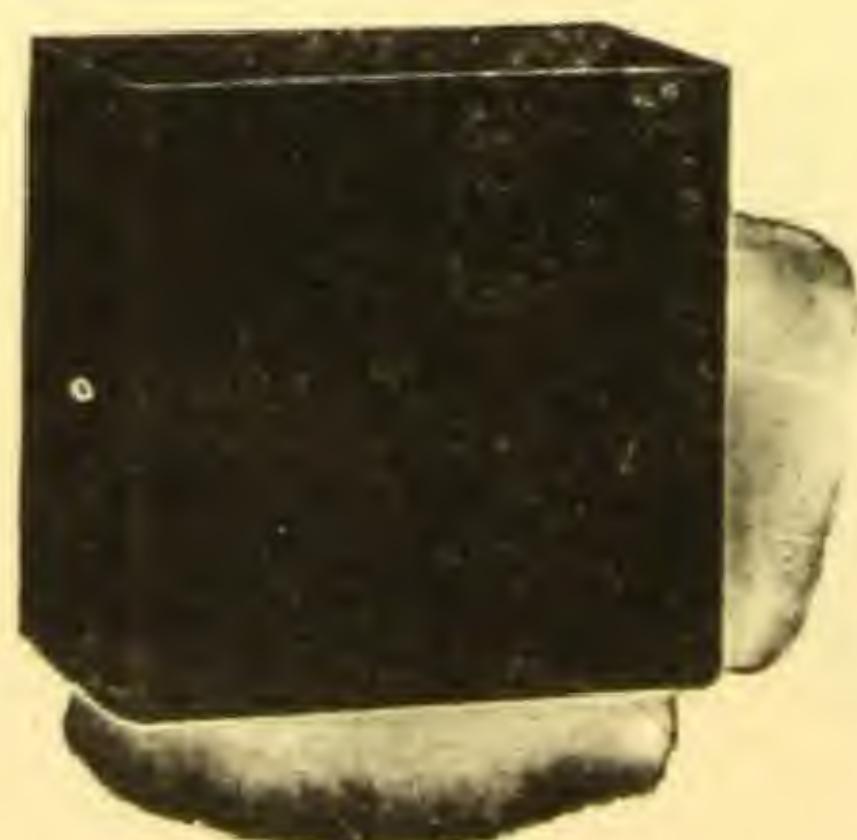


ACE DEVELOPING AND FIXING TANK

5 x 7 and 8 x 10
(Hard Rubber)

Just the tank you have been looking for. Made of heavy genuine hard rubber. Holds 12—8 x 10 or 20—5 x 7 cut film developing hangers. Flanged top construction and light tight cover permits developing to be carried out in open light after the cover has been replaced. Tank holds $3\frac{1}{2}$ gals., of developing solution. Inside measurements $7\frac{1}{2}$ x $10\frac{1}{2}$ x $10\frac{1}{2}$ " deep.

Price \$13.15

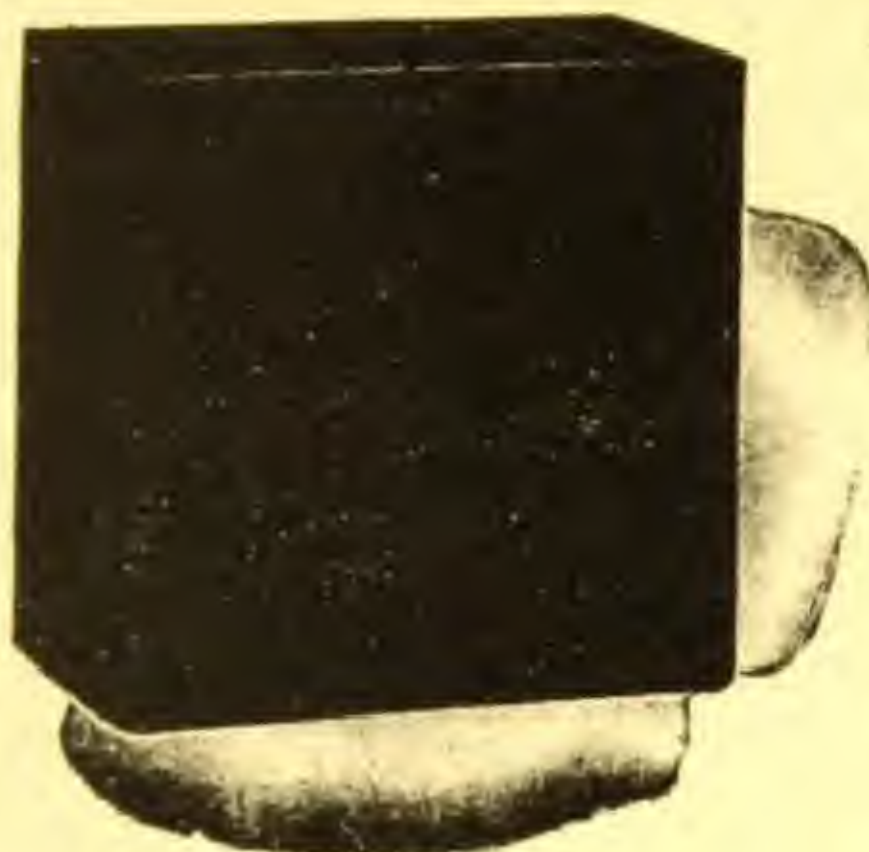


KODAK HARD RUBBER TANK 8 x 10

$3\frac{1}{2}$ gal. capacity, accommodates 12 8 x 10
or 20 5 x 7. Film or Plate Hangers \$8.50

Floating Lid for above 1.60

ROYAL STAINLESS STEEL TANKS



We are again in a position to supply Stainless Steel tanks for developing and fixing purposes.

No. 2 Size— $4\frac{1}{2} \times 7\frac{1}{2} \times 7\frac{1}{2}$ " deep for 8—5 x 7, 4 x 5, $3\frac{1}{4} \times 4\frac{1}{4}$ or smaller. Cut Film Hangers.

Capacity 1 gal. Each \$10.00

No. 3 Size— $7\frac{3}{4} \times 10\frac{5}{8} \times 10\frac{1}{4}$ " deep for 12—8 x 10, 20—5 x 7, 4 x 5, $3\frac{1}{4} \times 4\frac{1}{4}$ or Smaller Hangers, Capacity $3\frac{1}{2}$ gal.

Each \$16.00

No. 3 will accommodate Kodak No. 4 Dev. Hanger Rack.

Lids No. 2 or No. 3 Size,

Additional \$4.00

8 x 12 x 47 50.00
 Outfit Waterjacket 2 tanks 8 x 12 x 47 220.00
 Cover \$15.00 extra

STAINLESS STEEL COMMERCIAL TANK OUTFITS

Outfit consists of two removable tanks enclosed in a water jacket. Middle space for washing. Circulating water for temperature control.

Size No. 2. For 5 x 7 Hangers only. Outfit complete. Two #2 tanks and Water Jacket \$65.00

Cover Extra \$16.00

Water Jacket only \$45.00

Size No. 3. For both 5 x 7 and 8 x 10 Hangers. Outfit complete. Two #3 tanks and Water Jacket Outfit \$96.00

Size $27 \times 12\frac{3}{4} \times 11\frac{1}{4}$ Deep.

Cover Extra \$20.00

Water Jacket only \$66.00

AMATEUR FINISHING TANK OUTFIT

Complete outfit consists of Water-Jacket, one Developing tank, one Fixing tank with space between tanks for washing the films. Circulating water all about tanks insures most essential temperature control.

Size 12 Deep Tanks (12 Gal.)

5 x 12 x 47

Tanks	Tax included
Lids for Above	\$51.75
Water Jacket	4.50
Lid for Water Jacket	124.00
Outfit —	13.50
	\$224.00



Size 19 Deep Tanks (19 Gal.)

8 x 12 x 47

Tank	Tax included
Lids for Above	\$60.00
Water Jacket	4.50
Lid for Water Jacket	150.00
Outfit —	17.00
	\$287.00

STEEL ENAMEL TANKS

EAGLE COMMERCIAL
TANK OUTFITFor Developing Plates and
Cut FilmsNo. 1 accommodates 5 x 7
and 8 x 10 Eastman Portrait
Hangers. No. 2 for 5 x 7's only.Two removable tanks enclosed in water-jackets. Middle space for
washing. Circulating water for temperature control.Triple Coated Porcelain Enamel—Blue Finish on 16 gauge Metal.
Size No. 1 for 5 x 7 and 8 x 10.

Price—Tax included

2 Blue Tanks and Water Jacket	\$72.80
Tanks Only—3½ Gal.—7½ x 10½ x 10½	14.50
Lid for 3½ Gal. Tank	3.25

Size No. 2 for 5 x 7 only

2 Blue Tanks and Water Jacket	52.00
Tanks Only—1 Gal.—4½ x 7½ x 7½	14.50

PORCELAIN LINED
AMATEUR FINISHING
TANK OUTFITComplete outfit consists of Steel Enameled
Water-Jacket, one Developing tank, one Fixing
tank with space between tanks for washing the
films. Circulating water all about tanks insures
most essential temperature control.Size 19 Deep Tanks (19 Gal.)
8 x 12 x 47

Tax included

Complete Outfit	\$113.39
(consisting of Water Jacket 2—8 x 12 x 47 Tanks)	
8 x 12 x 47 Tanks	each 26.68



EAGLE INDESTRUCTIBLE STONEWARE TANKS

These tanks are most substantially made. They
are built of one piece of heavy vitrified stoneware.
There are no seams, therefore no leaks. Hole at top
for overflow, and hole at bottom for petcock, or
sewer connection.

Deep Style for handling Eight-Exposure Films

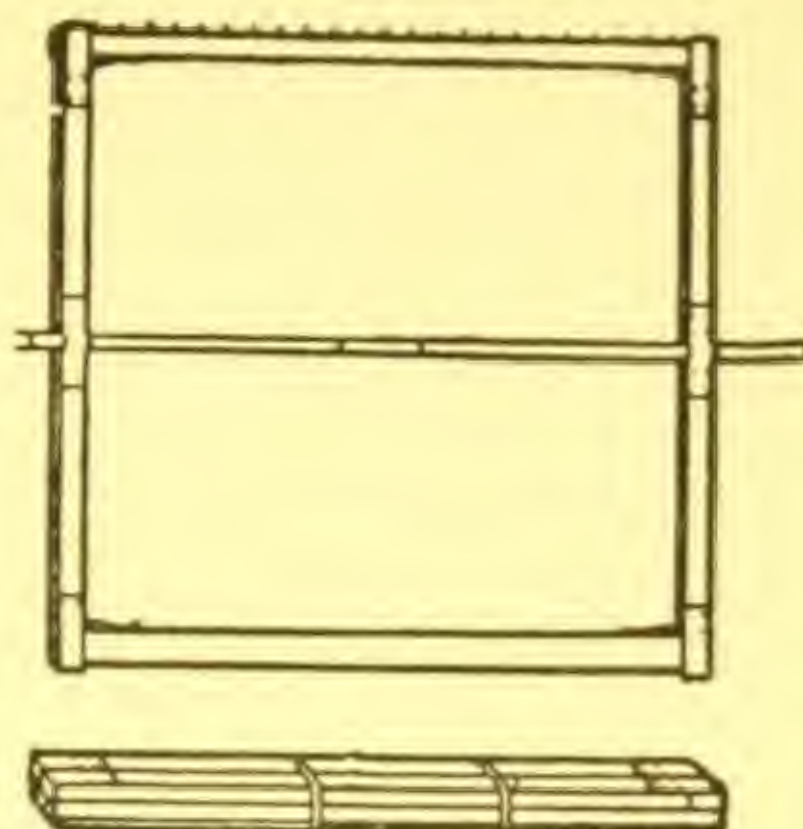
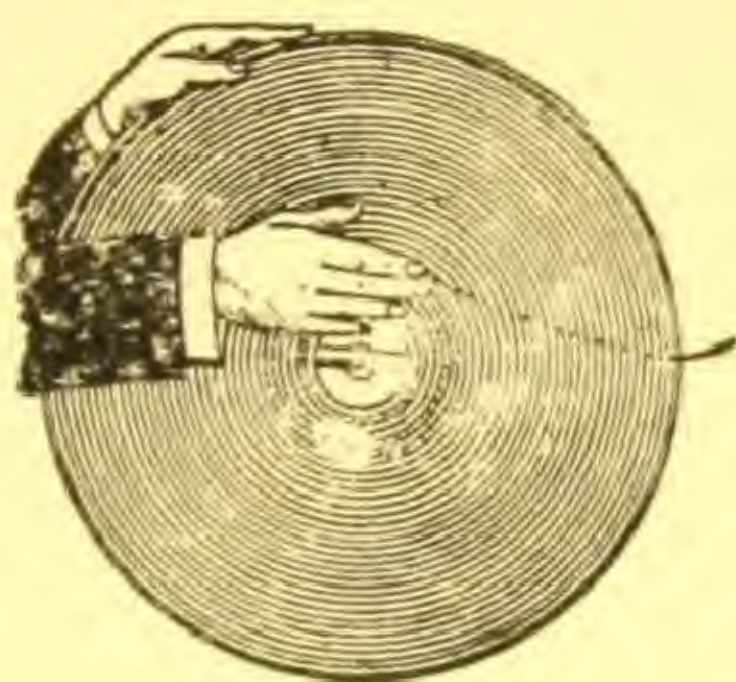
Capacity		Weight, Hangers				Prices	Tax
Gal.	In.	In.	In.	Lb.	Grooves		
10	9½	5¼	47	150	4-8	\$37.00	\$6.00
14	9½	7¼	47	175	6-8	47.00	8.50
18	9½	9½	47	200	8-8	54.00	9.75
20	9½	10½	47	210	9-8	56.50	10.20
25	9½	12½	47	225	10-8	62.50	11.75
29	9½	15	47	260	13-8	66.50	12.00
48	11¼	20¼	48¾	345	15-8	89.00	16.05

Rubber Plugs: 65 cents each. Stoneware Bibb Fau-
cet, ground and fitted into the bottom outlet, includ-
ing Metal Coupling to hold the faucet in place: \$17.60

MOTION PICTURE DEVELOPING TANKS FOR 16 MM. AND 35 MM. FILM

These very reliable outfits have been tried and proved successful by camera-men all over the world. The Tanks are made entirely of spun copper and plated.

Why use ten gallons or more developer when two gallons will develop 200 ft. The set comprises three round metal trays which are nested. A reel, 50 or 100 feet capacity, is included with each outfit. The exposed film is wound on the reel, the reel immersed into the developing tray. When developed, it is immersed in water tray, then immersed in Hypo until thoroughly fixed, when it is placed in water again for washing. The film is then ready for drying, which is done by removing from reel and winding on rack. By means of an extra reel, another roll of film may be developed while the first film is fixing or drying.



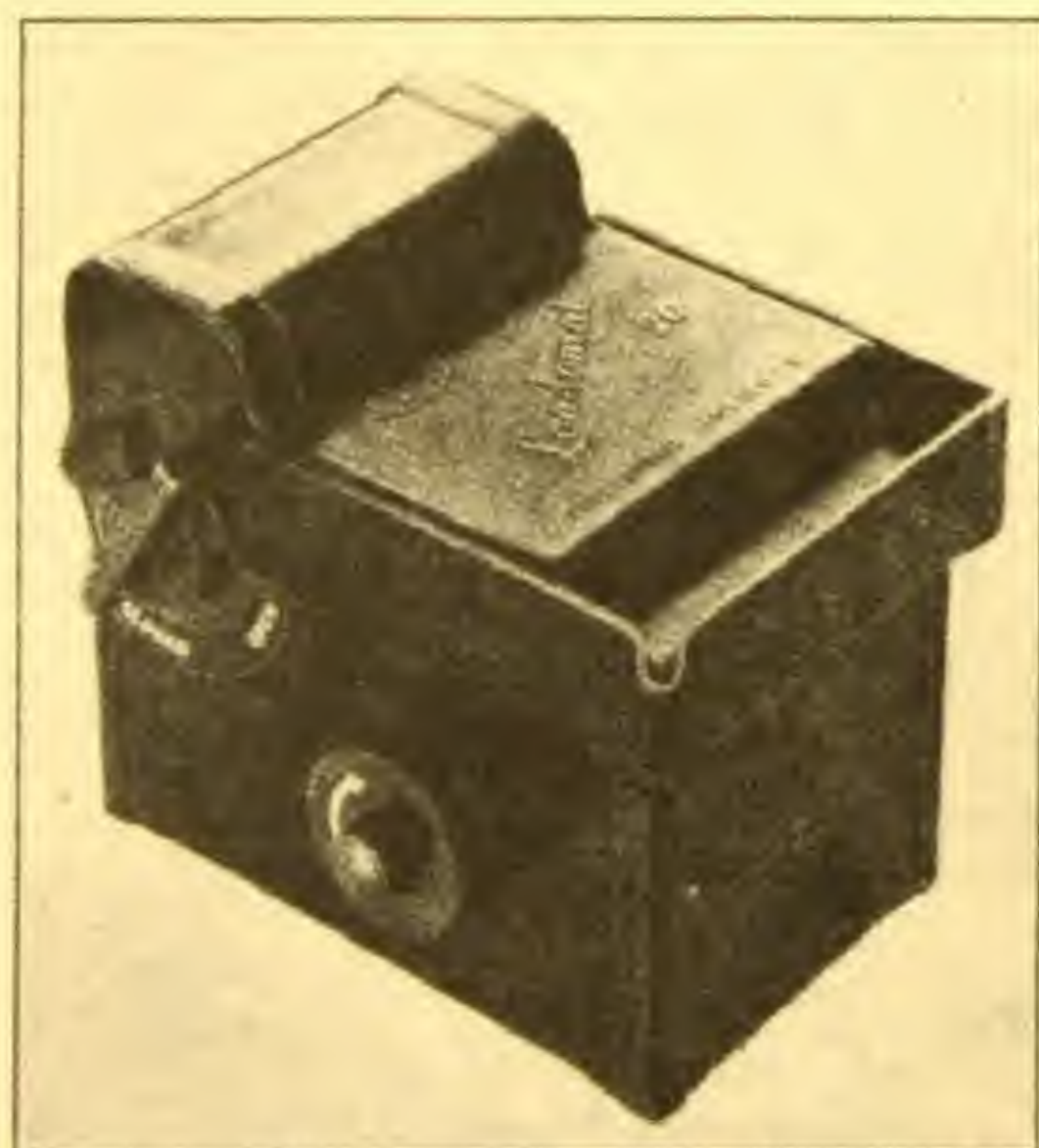
Prices quoted are F.O.B. factory.

Portable Folding Drying Rack, 200-ft. capacity	\$ 11.50
No. 0 "SEPT" Special, Three nesting tanks and two 18-ft. reels	46.00
1—Three nesting tanks and one 50-ft. reel	39.20
2—Three nesting tanks and two 50-ft. reels	65.55
3—Three nesting tanks and three 50-ft. reels	92.00
4—Three nesting tanks and one 100-ft. reel	65.55
5—Three nesting tanks and two 100-ft. reels	107.00
6—Three nesting tanks and three 100-ft. reels	148.50
7—Three nesting tanks and four 100-ft. reels	200.00

The above tanks can be made of Acid Proof Monel Metal. Prices on application.

Note: When ordering state whether for 16 mm. or 35 mm. Film.

(Prices of larger units for 200-ft. reels or on individual parts will be furnished on application).



LOADOMAT 20 DAYLIGHT-LOADING DEVELOPING TANK

FOR 120 & 620 ROLL
FILM

BLACK & WHITE
OR COLOR

Loading and developing possible in bright daylight. Darkroom eliminated. No skill needed Fool proof and positive.

This unit eliminates the necessity of a darkroom. Loading device is so designed that hands never touch film. By rotating control knob, film can be processed with as little as 5 ozs. of solution. Automatic rotary washing device eliminates hypo quickly. Successive rolls of film can be developed even though tank and reel are wet, by simply drying cylinder and cylinder housing. Loadomat 20 is ideal for both amateur and professional photographer. Compact in size (4" x 6"), made of acid resistant bakelite, metal parts of stainless steel. Simple step by-step illustrated instruction booklet included.

PRICE \$10.95 plus \$1.23 Tax

H. F. BATTERY TESTER

The H. F. Tester is designed with a convenient shoulder for quickly inserting and removing from battery case. Well constructed bakelite, brass and porcelain. Bulb recessed for greater protection.

H. F. Flash Tester (illustrated) \$0.60

BAYONET BASE BATTERY TESTER

A new style battery tester. Adapted for use in synchronizers and reflectors fitted to take "midget" flash bulbs.

Bayonet Base Battery Tester (not illustrated) . \$0.85



Lights



Half
Actual
Size

Clipper FLASH BULB TESTER

TEST ALL SIZES
OF FLASH BULBS

Handy — Quick — Safe

Insure every flash shot with
this dependable test.

CLIPS ANYWHERE

Always shows if bulb is good right when you use it.
Handy — Quick.

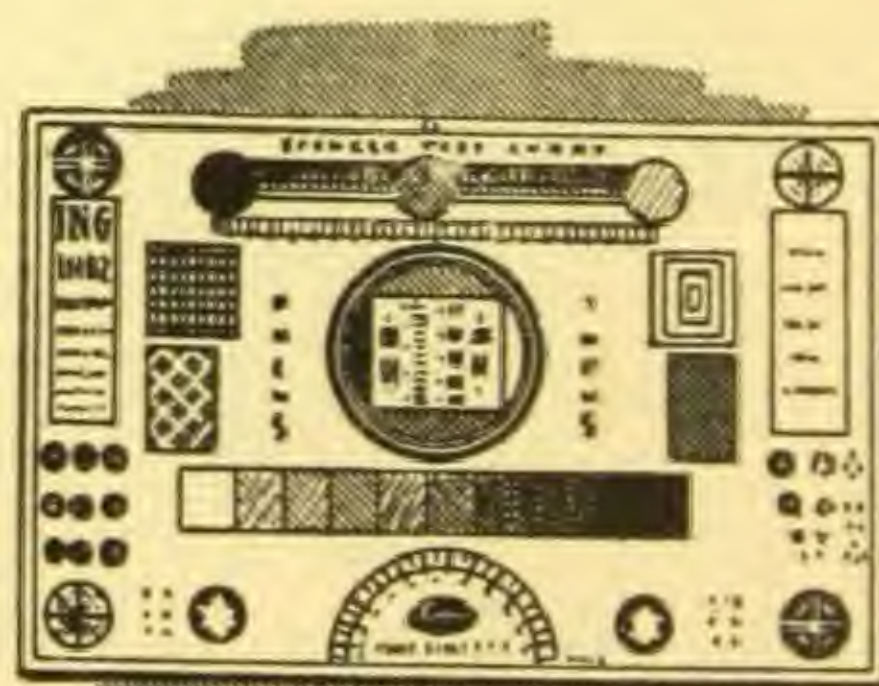
PRICE — \$1.95

SPENCER TEST CHART

How many times have you wanted to test or check your photo equipment or technique but were unable to do so.

Here in one package is all the equipment you need to test and check lenses, filters, films, developers, exposure meters, make resolution tests, depth of field checks and countless other photographic experiments.

The Test Chart Set consists of a scientifically designed four color Master Test Chart measuring 11 x 14 inches. The Chart is mounted and has been varnished for protection. Six special Target Charts supplement the main chart. 12 data slips are supplied for recording test information. An illustrated manual gives complete details on how to use the Chart and make photographic tests and experiments.



PRICE \$2.00

JACK POWELL TEXTURE SCREENS

These texture screens are offered in six distinctive patterns, and are designed to produce in photographic prints the various treatments and texture effects their title suggests. A brief description of each and full directions for use are given below:

Type A



"DRY POINT ETCHING"—an interlacing of fine light and dark lines that creates the effect of a real etching.

TYPE A

"Dry Point Etching" An interlacing of fine light and dark lines creates the effect of an etching.

Type B



"STEELINE"—the etching effect is achieved through the use of dark lines only.

TYPE B

"Steeling" Creates the effect of an etching by means of dark lines only.

Type C



"TAPESTRY"—the print has the appearance of being a coarse woven material, like canvas.

TYPE C

"Tapestry" Gives the print the appearance of having been made on a coarse woven material, similar to canvas.

Type E



"BROMOIL"—gives the effect of an inked bromoil print.

TYPE E

"Bromoil" Reproduces closely the appearance of an inked bromoil print.

Type F



"PAPER NEGATIVE"—duplicates the effect of a print made from a paper negative.

TYPE F

"Paper Negative" Duplicates the effect of a final print made by the use of a paper negative.

Type G



"Tapestry"—Salon

TYPE G

"Salon Tapestry"

Each screen has a black border to facilitate handling and to avoid finger prints on the screen.

These screens are available in the following sizes:

8 x 10 — \$4.10 :: 11 1/2 x 14 — \$6.15

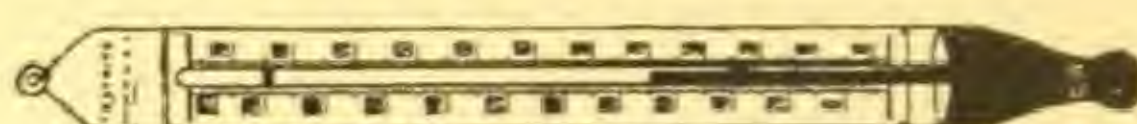
Tax included.

16 x 20 Size available in Salon Tapestry (Type G) Texture only

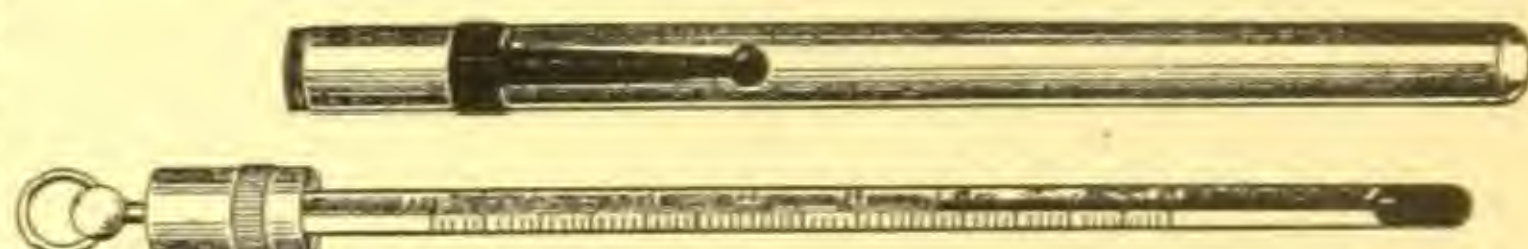
PRICE \$9.50 — Tax included

ELITE FAHRENHEIT THERMOMETER

An excellent Thermometer, glass encased. Guaranteed accurate. Easily read red spirit indicator. Scaled from 10 above zero to 220°. A hook hanging is moulded into end of glass. Price, each \$0.40

**METAL CASE POCKET THERMOMETER**

Its narrow width permits it to be used in developing tanks which have narrow openings. Accurately graduated from 20 to 100 fahrenheit. Comes complete with metal carrying case with clip attached for protection when not in use.



Price, complete \$1.66

Thermometer refill only 20 to 100 degrees F.75

STAR FLOATING THERMOMETER FOR TANK OR TRAY

An all-around photographic thermometer for use in tray or tanks. Can be used as a floating thermometer for tank use or placed on the bottom of trays. The square supports hold the thermometer in position so that the scale can be read in any position. Graduated from 20 to 110 degrees fahrenheit. Overall length 6 inches.



Price \$0.35

EXACT TANK THERMOMETER

Shaped conveniently for use in all developing tanks. Graduated from 40 to 90 degrees Fahr. Small, compact and sturdily constructed to withstand ordinary use and handling. Packed in strong tubular case. Price \$1.00

EAGLE BATH THERMOMETER No. 2

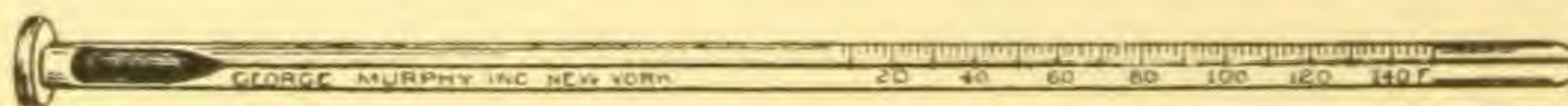
This Thermometer is protected by a wooden case specially used in the carbon and carbon processes. Graduated up to 120 degrees. No. 2 \$1.00

ROYAL TANK THERMOMETER

This thermometer is specially for use in tank development. It has sides that bend up and fit nicely in the corner of the developing tank. These sides are also a protection to the thermometer and prevent breaking. It is supplied with a hook to fasten it on to the edge of the tank. Figures and degree marks are easily read. Each \$1.11

**EAGLE THERMOMETER STIRRING ROD**

This is a very handy article, as it enables one to determine the temperature of the solution at the same time that the chemicals are dissolving. Temperature is a very important matter in solutions, especially in tank development. This is a solid glass stirring rod 1/4-inch in



diameter and 9 1/4 inches long, with one end flattened so as to readily crush any crystals which may not dissolve readily. The Thermometer is built inside of a glass stirring rod.

Price \$1.00

EAGLE INTERVAL TIMER

A NECESSITY FOR THE DARK ROOM

This little instrument will save you time and money. It may be set for any interval between fifteen seconds and two hours. At the end of the interval the alarm rings and the clock stops. By pressing a lever it is again set in action.

Very useful in the dark room for timing tank development and for enlarging work.

Price \$10.50



No. 9 5 MINUTE

INTERVAL CLOCK

With Adjustable Pre-set Stop.

Dark Room, Studio, or general use, wherever a reminder is necessary for minute periods. Reminds you that exposures are complete, plates are developed and many other things around the Studio which you ordinarily have to keep on your mind. Equipped with pre-set stop, which allows repeat timings to be made without resetting.

With range up to 60 minutes \$4.45



GRA LAB UNIVERSAL TIMER



An exclusive, accurate, extremely simple timer combining both second and minute timing up to one hour. Just plug it in and set the hands for desired timing. ... will make or break the circuit at expiration of pre-selected time. The double outlet plug will operate two instrument simultaneously and sounds an alarm as desired.

Size 8½" sq., 2½" deep, large aluminum dial is easy to read (even in semi-dark room). Operates on 110 volt, 60 cycle A.C. will operate up to maximum load of 750 watts. May be hung on wall, laid flat, or placed on shelf.

GRA-LAB Universal Timer—Plain Face .. \$12.95

GRA-LAB Universal Timer with Luminous Dial 23.95

GRA-LAB Laboratory Model Universal Timer, Baked white enamel finish, white dial, cord and plug \$24.95

THE REMINDER CLOCK

A dual purpose timer—a Regular Clock and interval timer combined. Alarm can be set for any interval between one minute and two hours—standard dial has standard hour and minute hands.

Indispensable for tank development, fixing or washing. You can do other work and forget to watch the clock. The clock watches for you.

Handy, neat and convenient. Easily set with one hand.

Reminder Clock \$11.00

Retail Sales Tax \$2.20 additional



WESTON PHOTOGRAPHIC THERMOMETER

A quick working metal rod type thermometer with large, easily read scale. Can be used in trays or tanks which have narrow opening into which the normal thermometer cannot be inserted. Its large scale can be easily read at a distance of several feet.

Price \$6.85



Weston

Kodak Timer with Tilting Base

Precisely times darkroom work for intervals from 1 to 60 minutes. Minute and split-second hands. Spring-wound. **\$7.50.**

**Kodak Electric Time Control**

Gives accurate timing for contact printing or enlarging. Range from 1 to 57 seconds. Provides repeat timing. **\$13.50.**

**NEW — DIFFERENT — VERSATILE
G-E T-48 TIMER**

Designed with the famous "TELECHRON" Motor. For close, accurate timing of exposures, for enlargements, contact prints and even time exposure for floodlights. Control Knob set at "automatic" automatically shuts off light source. Truly a remarkable timer with a limitless range of applications.

MODELS 0 to 120 Seconds

0 to 15 Minutes

PRICE \$13.95

GIANT SECOND TIMER

An exceptionally fine timer for the dark room. A large dial, 8 in., can be seen easily under the ruby light. A large second hand makes it easy to time your prints exactly. Equipped with a lever to stop clock at any point.

Price, each **\$24.50**



TIME-O-LITE MASTER

Model M-49

Turns enlarger lights on and off automatically. One print or a thousand—just push the button.

Synchronous motor driven, fully automatic reset.

60 second double scale dial, easy to read, easy to set, 750 watt capacity. Price \$19.50



TIME-O-LITE PROFESSIONAL

Model P-49

This professional model Time-O-Lite has all of the features of the Time-O-Lite Master plus an extra outlet for remote or foot-switch control or for automatic contact printer control. Heavy electrical circuits and switches designed for 1500 watt capacity. Price \$24.50



VARILITE

115 Volts, AC or DC, Capacity 10 to 300 watts. Designed for use with any type of contact printer or lamp type enlarger. Allows the use of high intensity enlarger lamp No. 213, controls Kelvin temperature of lamps, and permits enlarger to be used at required diaphragm opening. Rugged, easy to install and operate. Large calibrations make setting easy. Price \$12.75

Model TM-5 LEKTRA Electronic Photo TIMER

Extra Wide Range!
Plus Split Second Timing is 100%
Electronic

No Motors, Springs, Clockwork Mechanisms to Fail. No Noise. No Vibration.

Lektra does all your present photo timing work; anticipates future needs.

\$27.50



MODEL TM5R with Remote Control Operations also available \$35.50

Cine-Kodak Titler

Easy to make your own movie titles with this handy device and your Cine-Kodak Camera. \$8.75.

**McKeon's TONER**

A Single bath Toner which will produce a Brown Tone on Bromo-Chloride papers such as Velour Black and a Golden Sepia Tone on Chloro-Bromide paper such as Opal.

Just mix with warm water, 90° to 110° F. Wet prints in water, then tone. Takes four to five minutes. Mop face with absorbent cotton and wash for five to ten minutes. Gives a warm sepia tone.

1 oz. bottle makes 1 quart	\$0.25
3 oz. bottle makes 3 quarts .....	.40
4 oz. bottle makes 1 gallon solution .....	.50
8 oz. bottle makes 2 gallons solution	1.00
16 oz. bottle makes 4 gallons solution	1.75
32 oz. bottle makes 8 gallons solution	2.75
1/2 gal. bottle makes 16 gallons solution	3.50
1 gal. bottle makes 32 gallons solution	5.80

EAGLE REMBRANDT TONER

Discard the old smelly methods of toning prints. Use the simpler and quicker type. No heating or bleaching necessary. Simply immerse a batch of prints in a dilute solution of Rembrandt toner and within three minutes the prints are toned to a rich brown color. If only one or two prints are to be toned this can be accomplished by swabbing the prints with cotton saturated with the toning solution. Rembrandt Toner can be used with contact or chloro bromide paper. Not recommended for bromide paper.

Eagle Rembrandt Toner, 8 oz. concentrated solution per bottle. Makes 1 qt.	\$0.85
16 oz. makes 1/2 gal.	1.30
1 qt. makes 1 gal.	1.65
1/2 gal. make 2 gal.	2.00
1 gal. makes 4 gals.	3.75

**DIALS CHROMATIC FLESH TONER
COLOR KIT**

Used locally to automatically change the black and white silver deposit of the face and other Flesh tones to a Flesh-Like Color. Works rapidly. No bleaching or redeveloping necessary. Tone rinse and dry is all that is necessary.

Kit complete with Tones and Balanced lip and cheek rouge

\$1.25

EAGLE TON-FIXING BATH

This fixing bath is made especially for PRINTS THAT ARE TO BE TONED. It may be used also for regular printing with a shortstop.

INSTRUCTIONS

Dissolve contents in 25 oz. hot water 120° F. Add contents of small container to this. This makes stock solution. Take stock solution and dilute with two parts water. This working solution should be placed in two trays—Tray A - Tray B. After developing print 2 minutes let drain into developer for 15 seconds. Then place in Tray A for 5 minutes, place in Tray B for 5 minutes. Prints should then be washed two hours in running water before toning.

Per Carton — \$.35

EAGLE STEEL ENAMELED TRAYS



These triple coated enameled photo trays are acid proof. The three coats of vitreous enamel, fused into the steel at extreme temperature, thoroughly protect the metal from the action of the Hypo solution.

Size	Price Tax included	Size	Price Tax included
4 x 6	\$.68	14 x 17	\$3.56
5 x 7 .....	.98	16 x 20	4.75
8 x 10	1.23	18 x 22	9.60
11 x 14	2.10	20 x 24	10.95
ENAMEL FIXING TRAYS—16" x 20" x 6" deep		23 x 28	13.40
ENAMEL FIXING TRAYS—20" x 30" x 6" deep			14.30
			17.33

PLANO TRAYS — 8 x 10



These trays are made of black plastic, one piece construction, re-inforced on bottom. Light weight yet extremely durable—weighs one pound. Will withstand the action of all photographic chemicals.

5 x 7	\$.60
8 x 10 .....	.90



CESCO HYPO BATH

A big, spacious, and, above all, EASY TO CLEAN Hypo Bath. The WHITE acid-resisting Porcelain E enamel betrays dirty or discolored solutions—hence PROTECTS the quality of prints.

Number 126—Size 16 x 20 x 6 in. inside.

PRICE \$14.30

Number 236—Size 20 x 30 x 6 in. inside.

PRICE \$17.33

ACE GENUINE HARD RUBBER TRAY

Acid and Alkali Proof—Chemically Clean



The greatest advantage in using Ace Hard Rubber Trays is that they insure positive cleanliness in developing, fixing and washing. They cannot contaminate the solutions used in processing, insuring clean negatives and prints.

PRICES

For 4 3/16 x 6 1/4 inch	\$.36
For 5 x 7 inch .....	.70
For 8 x 10 inch	1.00
For 11 x 14 inch	2.55
For 14 x 17 inch	4.50
For 18 x 22 inch	9.00
For 20 x 24 inch	11.25

COLUMBIA STAINLESS STEEL TRAYS

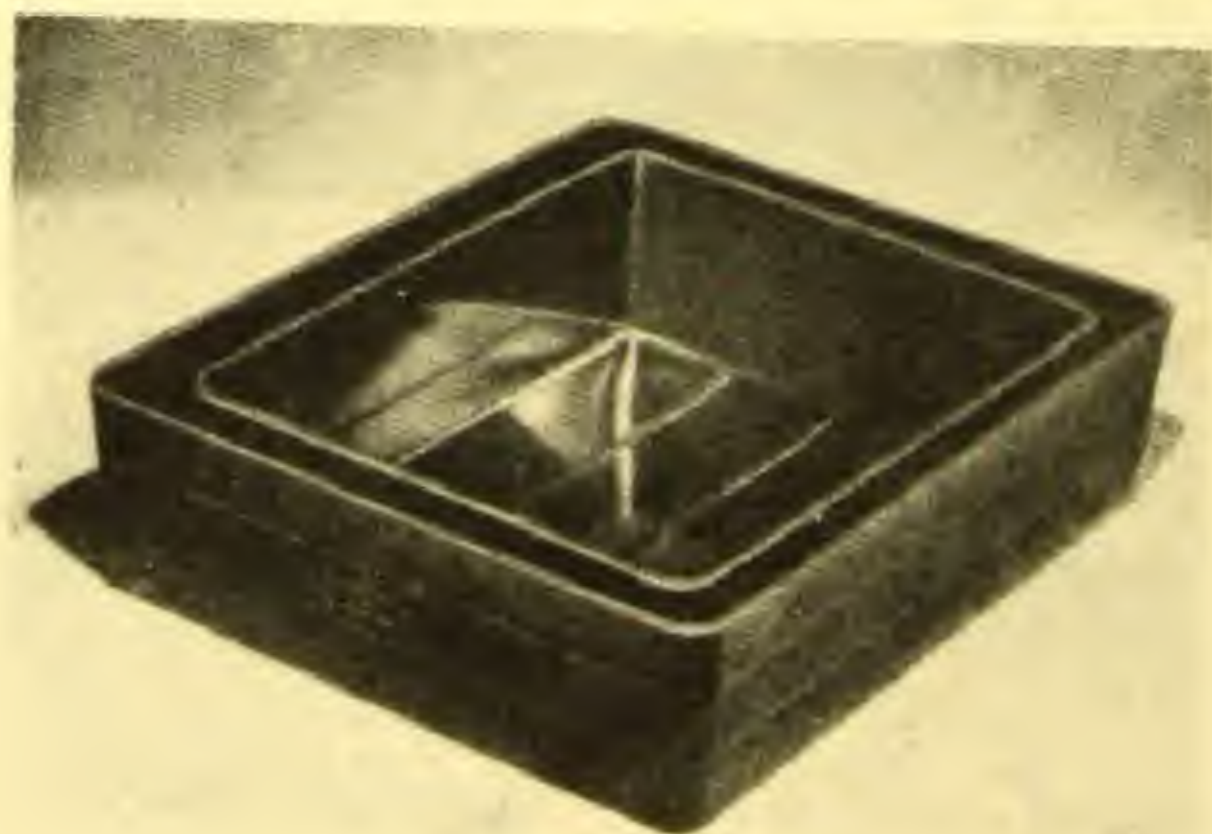
made with MOLYBDENUM



No other Tray offers so much in troublefree service; so much in ease of cleansing; in protection of photo solutions; or lasts so long, even under punishing, hard use, as Stainless Steel Trays, with Molybdenum. Your first cost is your last cost. They will last through many, many rigorous rush schedules without a failure.

8 x 10	Price	\$4.73
11 x 14	"	10.24
14 x 17	"	19.14
16 x 20	"	28.15
20 x 24	"	42.05

DEEP HARD RUBBER TRAYS



Have you ever wished that the big trays you used for fixing and washing were about twice as deep so that you could process more prints at one time during your busy seasons? Well, you don't have to wish any more, because Rubber Deep Trays, now available in two sizes, are just the thing you frequently need. Both the 16 x 20-inch and 20 x 24-inch trays are 6 inches deep and have straight sides which permit close placement in a darkroom sink.

16 x 20 x 6	\$14.75
20 x 24 x 6	19.60

No. 170 HYPO FIXING TRAY

This bath is triple coated white enamel, acid proof inside and out. Will accommodate plates up to 11 x 14 in. A $\frac{1}{4}$ in. raise panel in the bottom makes the removal of plates easy. It has a hole in the handle for hanging and rounded corners make it very simple to clean. Size inside measurements, 16 x 11 x 5 in.



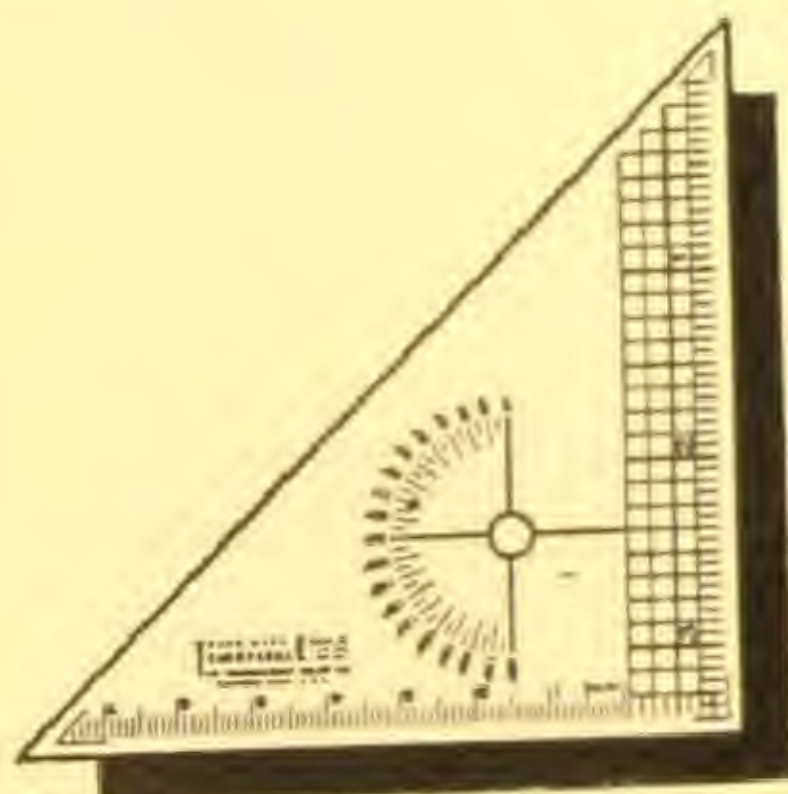
Price \$2.90

EAGLE TRAY COATING

This is a black chemicalproof and waterproof coating for making trays, fixing and washing boxes, etc., tight and impervious to the action of all photo chemicals. Home-made wood trays with corners and cracks filled with wax or paraffine, then coated with this preparation, are almost indestructible. It is easily applied with an ordinary paint brush, and dries in a few hours without heat.



No. 1. Per $\frac{1}{2}$ -pint can \$0.40
No. 2. Per pint can60



EAGLE SCALED TRANSPARENT TRIANGLES

45°-45°-90°	\$0.15
30°-60°-90° .....	.15
6 inch 45°-45°-90° .....	.75
8 inch 30°-60°-90° .....	.75

MARK'S UTILITY CUTTER (Pat. No. 102166 Dec. 1, 1936)

Fills the daily need for a simple and instantly adjustable device for holding cutter blades in the proper position for best results. Saves hours weekly. Metal frame fits the band. Uses heavy weight blades, which slide into handle when not in use.

The MARK'S Utility Cutter is especially useful for cutting cardboard of various weights.

Cuts heavy wall board or light veneer wood. This is not makeshift. It is a substantial, solidly constructed instrument that will stand a great deal of service.

The handle is polished aluminum with a wing locknut.

ADJUSTABLE—to any depth of cut up to one inch.

SAFE—Cutting edge cannot damage guide or ruler. Does not dig, tear or buckle. Blade slides into handle, making it safe to carry in pocket.

BLADES—Special heavy duty, supplying four good cutting edges.

GUARANTEED—to give faithful service—to cut or trim accurately from thin paper or light silk screen to heavy wallboard, metal foil or light veneer wood.

Price complete with one Blade \$1.50
Extra Blades, per dozen60





DECKLE EDGE CUTTER

This is an excellent little cutter. Gives a deckled edge to your prints which makes them very attractive. Made entirely of steel except for the celluloid guides.

6-in. blade	\$3.40
10-in. blade	7.80

PREMIER DECKLE EDGE CUTTER

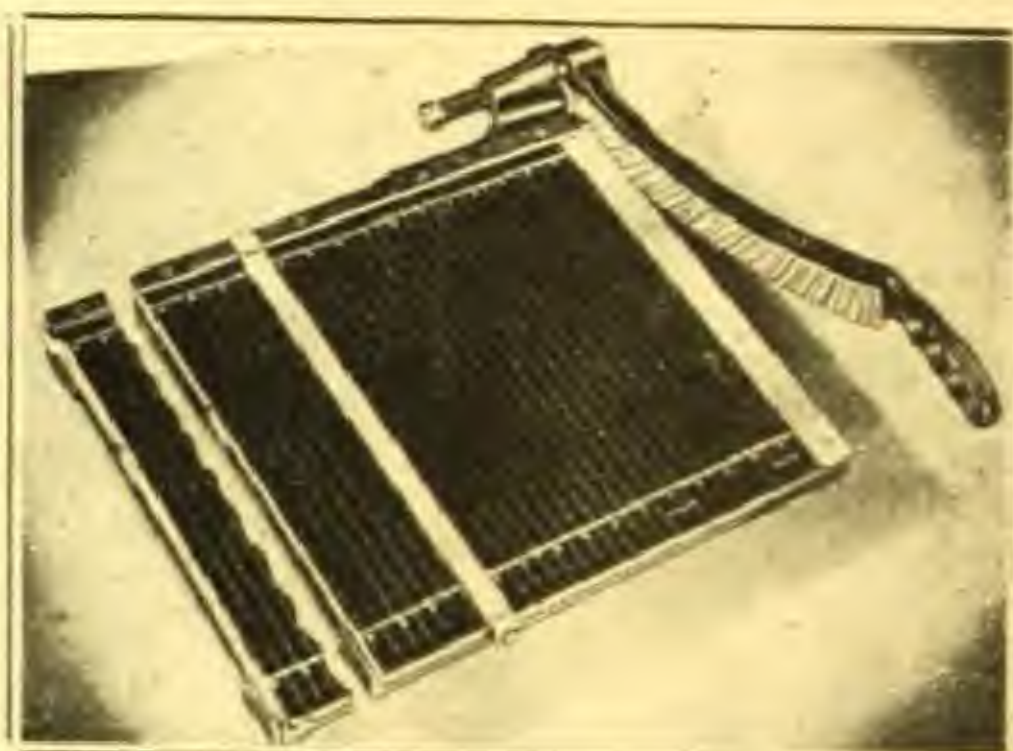
PROFESSIONAL SIZE

12-in. blade with Guide	\$8.00
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SHARPIE TRIMMER

The "keenest" little cutter that ever trimmed a print. Will trim your treasured prints with every corner trued up. One quick stroke and any paper from the thinnest to the toughest takes the trimming of its life . . . clean as a whistle. Base of heavy gauge steel, and is provided with holes for permanent attachment—Blade of heavy gauge steel, and provided with inherent spring action for a permanent, self-sharpening cutting edge. Length of blade 6".

Sharpie Trimmer \$1.25



PREMIER TRIMMING BOARDS

These Trimming Boards are skillfully constructed and accurately marked. The board is seasoned maple, as wide as it is long.

The blades are of the finest steel, properly tempered to insure a perfect cutting edge.

The bed is subdivided into perfect $\frac{1}{2}$ inch squares, enabling accurate trimming at any point of the board.

Furnished with Trimming guide as illustrated above.

10-in. blade	\$4.50
12-in. blade	5.85
15-in. blade	11.25
16-in. blade	16.00
24-in. blade	24.00

NEW BRADLEY PRINT TRIMMERS

New features which will appeal to the professional and amateur:

Now made with colorful dark green Surfite table, divided into white "gauge squares" with inlaid white lines. A color combination which is clearly legible in the dark room.

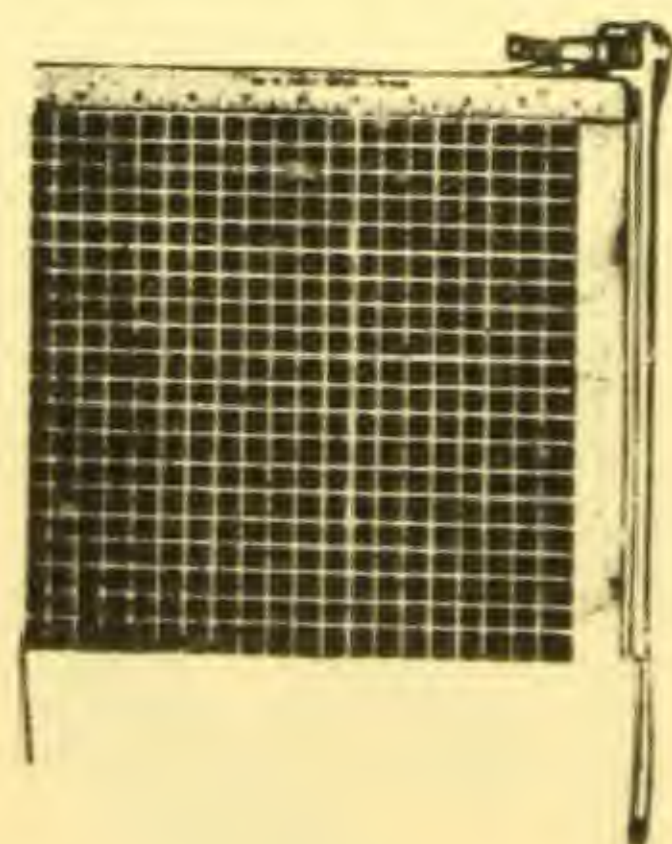
A further convenience is the stop gauge, printed in black graduations on a cream background, also visible under the ruby light.

Handles are finished in baked-on aluminum enamel that will not rub, no matter how hot or moist the atmosphere.

Have detachable blade for sharpening.

Tension adjustment which holds the blade upright, ready for use and cam adjustment for keeping the gauge in perfect alignment for cutting square corners.

Dandy, 8-in. blade	\$3.75	Popular, 15-in. blade ...	\$11.25
Studio, 10-in. blade	4.50	18" National	16.50
New Monarch, 12-in. blade	6.00	24" Springfield	26.00



MANUFACTURER'S TRIMMER 24-INCH

This is a strong machine, having a 24-in. blade, adapted as a whole to any reasonable work for which such a cutter may be used.

An essential feature for manufacturing purposes is the



automatic grip or binder, which securely holds the work in position before the descending blade begins to cut and throughout its movement.

Price \$70.00

Price F.O.B. factory

MIDGET CUTTER—WITH CELLULOID GUIDES

This excellent little cutter will be very popular with the amateur. Made entirely of steel except for the celluloid guides, it will trim prints up to $3\frac{1}{4} \times 5\frac{1}{2}$ with or without margins, and do the work as well as a larger and heavier cutter.

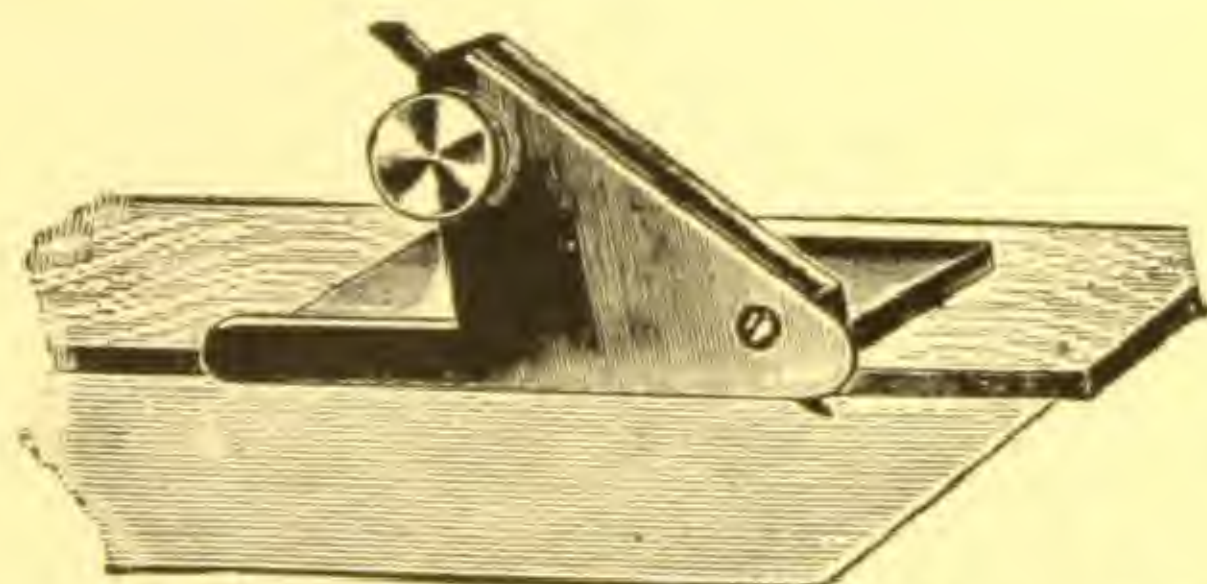
	Price
6-in. blade	\$2.25
10-in. blade	5.25

EASTMAN METAL PRINT TRIMMER

The Eastman Trimmer is constructed entirely of metal. Will not warp. Table is marked in half-inch squares.

This Trimmer will always remain square. Furnished in three sizes with transparent trimming gauge.

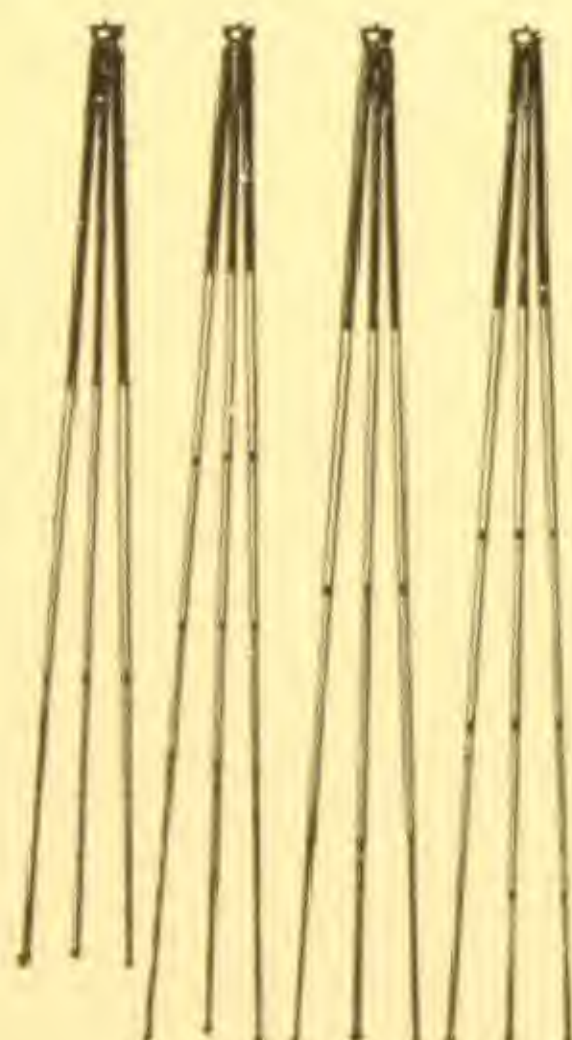
No. 10, 20-inch	\$40.00
No. 20, 20-inch	70.00



ELITE TRIMMING TOOL

The handy little tool can be used for cutting along a straight edge. The blade can be adjusted to cut down to a certain depth so as to cut one or two sheets of paper at a time. This is not suitable for heavy card stock. Very handy for sizes larger than the average trimmer will cut. Price..... \$1.00

Johnson Tubular Telescopic Metal Tripods



Without a tripod your work is seriously hampered. Exposures of $\frac{1}{25}$ th second too often show evidence of camera shake, while with $\frac{1}{10}$ th or $\frac{1}{5}$ th second you just must have some firm support. It is always better to use a tripod, and make certain of pin-sharp negatives, than have to choose between underexposure or vibration. With a rigid, easy-to-carry tripod you are prepared for any subject at any time. See this complete series of strong tubular tripods. Made of stout brass tubing with chromium-plated fittings. Beautifully finished in black enamel.

FOUR SIZES AVAILABLE

Fitted with English and Continental screws. Three-, four-, five- and seven-section models to suit your need. All very rigid and robust.

PRICES

3 section	\$7.50 + \$1.88 Mfg. Tax
4 section	8.75 + 2.19 Mfg. Tax
5 section	9.25 + 2.31 Mfg. Tax
7 section	9.75 + 2.44 Mfg. Tax

CRAIG THALHAMMER B/L TRIPOD

Handsomely finished in durable hardwood and lustrous chromium plated steel.

Weighs only 6 1/4 lbs., closes to 34", and has a full extended height of 59".

You will take pride in owning a Craig B/L Tripod.

Price (including tax) \$32.50

Thalhammer Professional Tripod

275.65

CRAIG THALMETAL TRIPOD

Extremely light in weight and easy to carry. Its two-section legs are of sturdy, smooth-gliding square channel aluminum and wood with an extended height of 60" and a closed height of 32". Easy-grip knurled knobs allow fast, simple setting of tripod height and patented Sure Foot Points provide a quick change from a corrugated rubber tread for interior shots to a double-pointed spur grip for outside shooting.

Price (including tax) \$22.10

Thalhammer B/L Tripod

Thalmetal Tripod

THALHAMMER BL



- For Precision use and smooth efficiency.
- Exquisite hard wood and chrome steel.
- Rigidized 2-section legs.
- Exclusive two-way sure-foot points provide a steady grip on any surface.
- Extended 59" — Closed 35"
- Weight: 6 1/2 lbs.
- Complete with DeLuxe Thalhammer Sr. Panhead calibrated into degrees of rotation and with patented "Instant-On" plug.

\$29.50 plus \$3.50 tax

THALMETAL



- Especially adapted for all 8mm and 16mm Movie Cameras.
- Extremely light in weight and easy to carry.
- 2-Section legs of smooth-gliding square channel aluminum and wood.
- Easy-grip knurled knobs allow fast simple setting of tripod height.
- Patented Sure-Foot Points provide quick change from corrugated rubber tread for interior shots to double pointed spur grip for the outdoors.
- Extended 60" — Closed 32"
- Complete with Thalhammer Midget Pan-Tilt Head with patented "Instant-On" plug.

\$19.75 plus \$2.35 tax

EAGLE TABLE TOP TRIPOD



This is an ideal table top tripod with ball and socket top for tilting at any angle.

The legs unscrew quickly enabling one to pack it into a very small space.

Height: six inches. Leg spread: eight inches. Diameter of head: 1 1/2 inches.

Knocked down will fit into a space 2" x 2" x 7". Weight 4 oz.

Price \$2.25 + \$0.25 tax

No. 14 STUDIO STAND



... No. 14 Studio Stand, rigid, substantially all-metal built, is professional equipment bearing cameras to 12 x 20. Compact, portable, adjustable from 40" to 6', works by crank and gears. Head revolves through 360° or angles to any position. Finished in black wrinkle and chrome.

A new type head is featured on this studio stand, which is designed for home portraiture, commercial studios and movie camera work. The head revolves completely, or may be set at any desired angle up, down or sideways.

The stand is of all-metal construction, rigid, and substantially built. It will provide a sturdy foundation for all cameras up to 12 x 20". It is compact and portable, folding to 40". The stand is elevated with a hand crank and gear system and is designed to "stay put" at any height up to 6 feet.

Finished in black wrinkle and chrome, the stand is now available with a price of \$65

No. 10 CAMERA STAND

Easily carried, telescoping tubes measure only 24 inches overall when closed. Complete stand weighs only 11½ lbs. Works smoothly and perfectly. Unit when open to full height stands 5½ ft. from the ground.

All parts machined and constructed to give long and satisfactory duty. Mechanically sound, and solid, will hold all weights of cameras without a tremble.

The ideal stand for the commercial, professional or amateur photographer. Easy to handle.

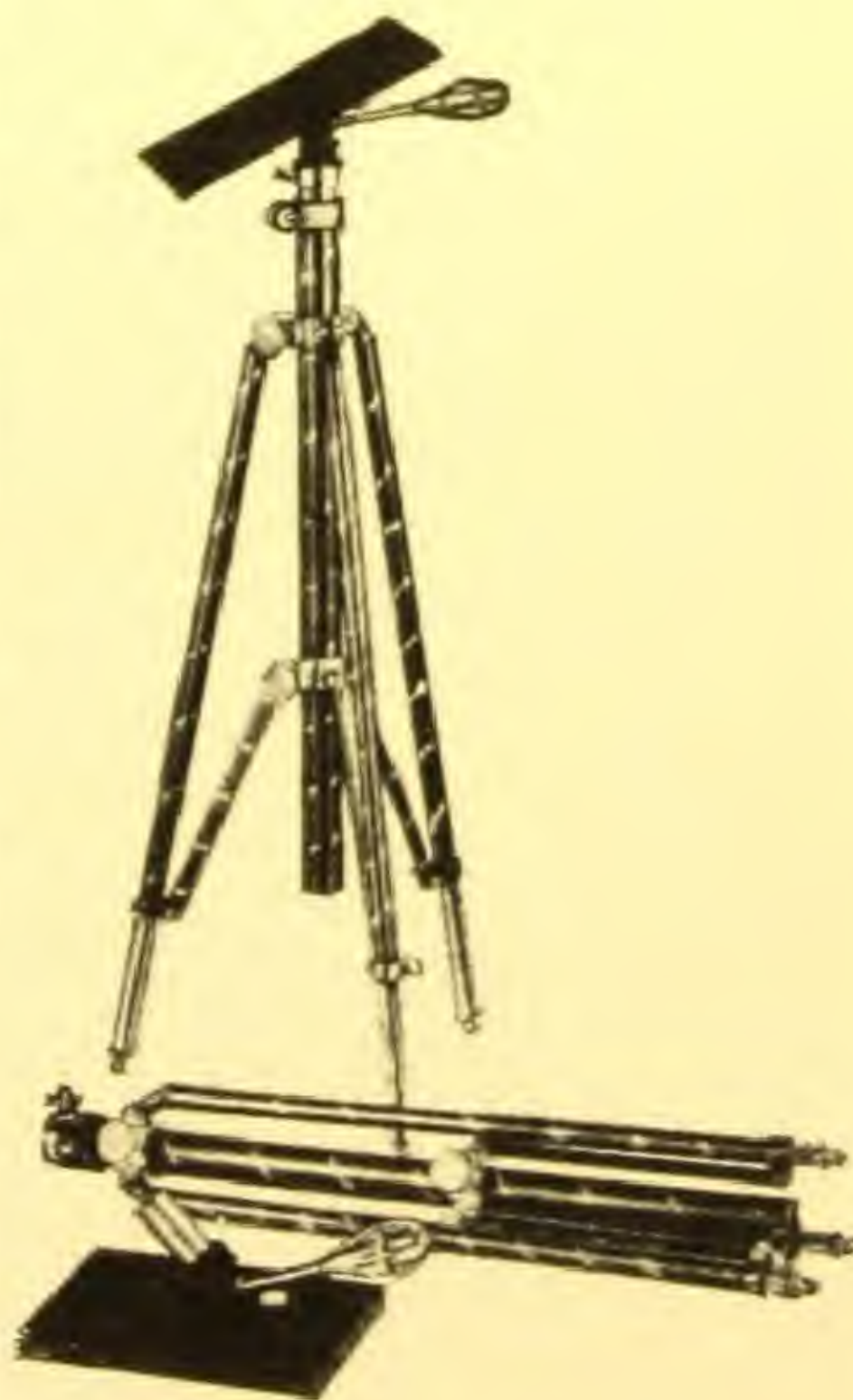
Has heavy tubular telescoping tubes, solidly plated in oxidized copper, and chromium. Its tilt-top revolves freely until set in any desired position.

PRICE \$32.75

No. 12 CAMERA STAND

Built for commercial or banquet work, its construction is similar to the No. 10 above, except that it has an extra tubular extension which permits its elevation to 7 ft. from the ground.

PRICE \$39.00



THE ANSCO UNIVERSAL CAMERA STAND



Flexible security is the term that best describes this stand. Made to support cameras of professional size for both indoor and outdoor work, also for use in connection with motion picture cameras and projectors, it embodies all desirable adjustments for change of viewpoint and position and for convenient manipulation of the camera, with a rigidity which may be relied on at all times.

A feature found in no other stand is the raising and lowering device at the center post, a new mechanical movement invented by Ansco. This not only permits the level of the camera to be changed as readily as the focus, but automatically holds it at the selected height, without the necessity of a set-screw adjustment. The convenience of this movement is especially appreciated by those who have used other stands.

The top revolves freely by means of telescoping aluminum drums, giving secure bearing surface, and may be tilted to an exact perpendicular for vertical use of the camera in photographing jewelry and other small objects.

For working in a corner or restricted space, the triple leg-brace action may be raised, and if desired, locked. The legs are thus held close together, yet rigid. Wood and metal work is the best throughout, making a fine piece of apparatus. Portable, convenient, and professional in appearance. Price **\$58.40 Tax included**

BRUNEAU PNEUMATIC TRIPOD



The modern, neat appearing Bruneau Pneumatic Tripod costs slightly more but outlasts wooden tripods 4 to 1. Pneumatic feature means faster adjustment.

Aluminum construction (weighs eight pounds) maximum height 52½ inches; Minimum height, 24 inches; tilt-top allows 90 degree range; smooth, sure action: strong and rigid. Bruneau Pneumatic

Tripod **\$42.75**

STANDRITE TRIPODS



Model E



MODEL C

Walnut finished with Cadmium plated parts.

Weight: 3 lbs.

Folded: 24 in.

Opens: 59 in.

Price: \$10.50

MODEL E

Same as Model "C" but with two sections instead of three.

Weight: 4½ lbs.

Folded: 30½ in.

Opens: 52 in.

Price: \$9.70

MODEL B

Walnut finished with Polished Chromium Legs Reversible.

Weight: 3¾ lbs.

Folded: 28½ in.

Opens: 55 in.

Price: \$10.90

EAGLE METAL TRIPODS

American Made

The various sections of each leg of this tripod work on the telescoping plan, and as each one is pulled out, it sets automatically until the entire tripod is extended, producing a very rigid and safe support. To close the tripod it is only necessary to press the top button of each leg, when the various sections will all telescope and the tripod cannot possibly close until this button is pressed.

CHROME FINISH TRIPODS

	Ext.	Closed	Price
3 Section	42"	16"	\$4.00
5 Section	49"	14"	8.65

FOLDING METAL TRIPOD—3 SECTION

A folding tripod, sections snap out and lock in position. Constructed of heavy gauge metal. Black lacquer finish. Opens to 44"—closed 18"—Weight 18 ounces.

Each \$3.25

LIGHT ALLOY FOR SECTION METAL TRIPOD

A light-weight, yet sturdy, metal tripod. Weighs 19 ounces. Extends to 50" height—closes to 16½". Constructed of durable light alloy.

Price \$7.75

CROWN TRIPODS

A rigid, four section tripod, made of selected cherry. The two lower sections telescope into the third upon which the upper section folds back. Binding screws are nondetachable. Expansion brackets in the upper section and taper pins prevent side play. An extra tripod socket in top, set off center, is useful for counterbalancing the weight when a long bellows extension is employed.

The Crown, Jr., is a solid, three-section tripod for hand cameras. Made of cherry, finished in black with carrying handle attached.

The Unit Crown is a three-section tripod with head attached, made of cherry, finished in black lacquer.

	Length Closed, In.	Extended Ft.	Weight, Oz.	Diameter of Top, In.	Price
Crown Tripod No. 2	17¼	4¾	65	6	\$15.80
No. 4	20	5½	90	6½	22.00



THE PIC FEATHERLITE STAND

The Pic featherlite stand is extremely light weight and portable.

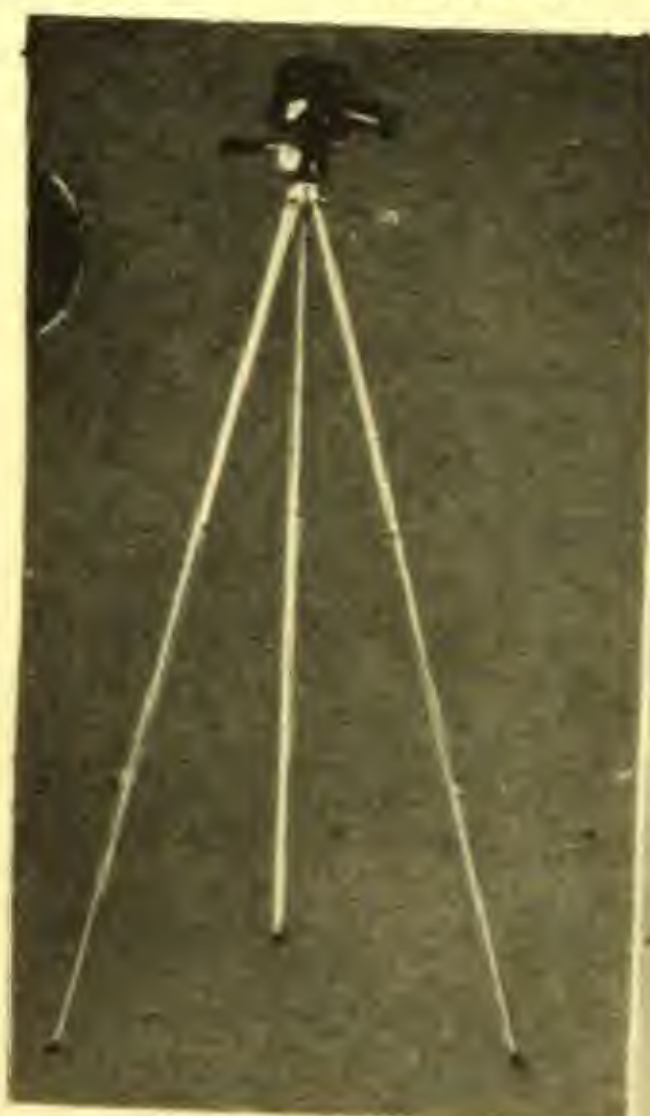
It is made of an aluminum alloy, strongest type available. It has a hard, permanent, gleaming, electro-chemical finish which resists abrasion, remains new and clean. Your hands never become dirty as when handling raw aluminum. Used for both amateur and professional photography. Sections can not come apart though it permits smooth operation and immediate extension of maximum length and the section will not pull apart.

All bushings are arbor-pressed onto the tube sections and then riveted as well for extra strength. It will not loosen with use.

Special design of leg brackets causes legs to fold snugly without distortion or strain. This stand really has to be seen to be appreciated. It is ideal for home portraiture as it will fold to a small size and can easily be carried around.



No.	Collapsed Length	Extended Length	Weight	Price
118	18 inches	7 feet	1 lb., 9 oz.	\$11.95
120	20 inches	8 feet	1 lb., 12 oz.	12.95
224	24 inches	10 feet	2 lb., 4 oz.	13.95
226	26 inches	11 feet	2 lb., 8 oz.	14.95



Kodak Eye-Level Tripod (left above)

Duraluminum construction makes it sturdy, yet lightweight. Adjustable for heights from under 2 feet to 5. Eminently suitable for all still cameras, all but the heaviest movie cameras. **\$23.33.**



Kodak Metal Tripod, No. 2 (top center)

Modestly priced, lightweight camera support for all-round picture making. Extends to 49½ inches . . . folds down to 13½. **\$11.08.**



Cine-Kodak Tripod (right above)

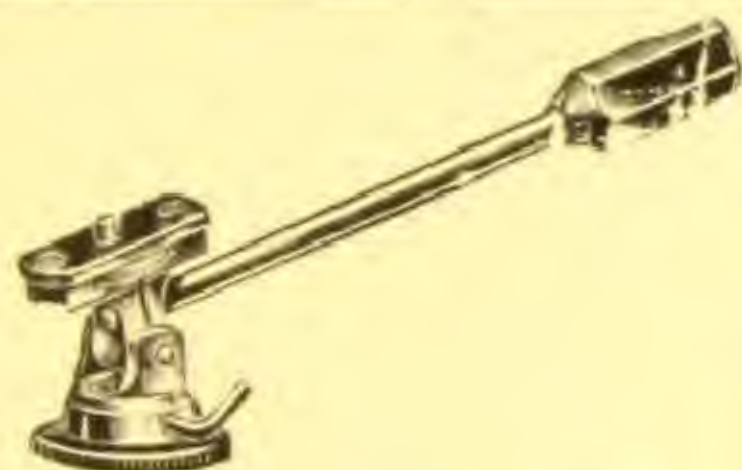
Professional-quality tripod for the finest in still- and motion-picture making. Its built-in head provides velvet-smooth vertical and horizontal operation and adjustment . . . its legs telescope for camera heights from 2 feet to over 5 feet. **\$61.25.** Case, \$6.50.



KODAK TABLE TOP TRIPOD

The Kodak Table Top Tripod, the Kodak Pan-a-pod, the Kodak-Tilt-a-pod—the latter two accessories fitting the Kodak Table Top Tripod or any other tripod with standard screw. The three are pictured here in combination. The Tripod includes a solid metal head, three solid metal legs, each with rubber tip, which unscrew from the head for ease in packing or carrying. Leg spread is 9½ inches and erected height is 7 inches. Kodak Pan-a-pod is a revolving head, carrying engraved degree markings, facilitates making of panorama pictures in sections, provides smooth, easy swing in either direction for still or motion picture cameras. Kodak Tilt-a-pod supports a still or motion picture camera at any chosen angle, holds firm with a locking screw.

Tripod is	\$1.85
Pan-a-pod is	3 50
Tilt-a-pod	2.90
All three in combination	6.75

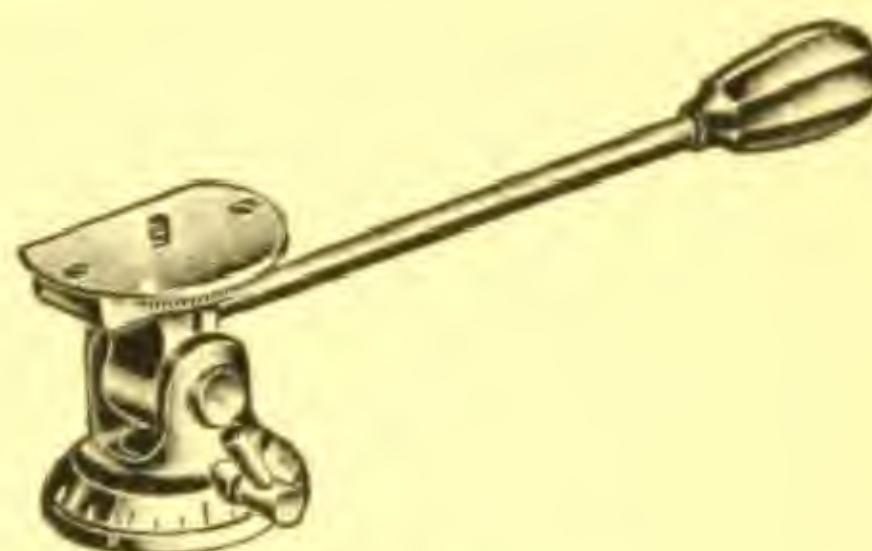


Model "C"
Recommended for 8mm. and
16mm. Movie Cameras.
Each \$3.90

PANRITE UNIVERSAL TILTING TOP

Fits any Tripod

Insures steady pictures taken at any required camera angle. Can be used with any camera, and is adjustable to any tripod.

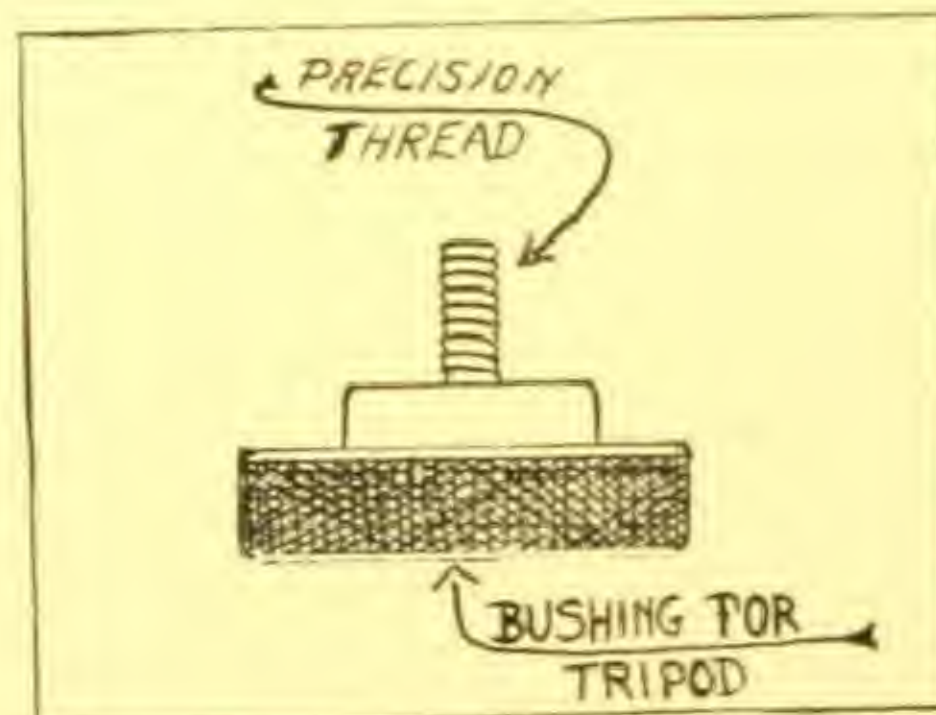


Model "B"
Recommended for 16mm. or
larger Movie Cameras.
Each \$5.90

COMBINATION TRIPOD SOCKET AND SAFETY SCREW

This handy item will hold your camera securely in its Ever-Ready case. The threaded stud is screwed through the bottom of the case into the tripod socket of the camera, securely anchoring them. Bottom of screw is threaded to take a standard tripod screw, enabling the tripod to be attached to camera without removing it from the case.

Price \$0.35



TRIPOD BUSHINGS

Used for attaching cameras with European tripod sockets to tripods with standard American thread. Can be permanently attached to the tripod socket if desired.

Each \$0.25



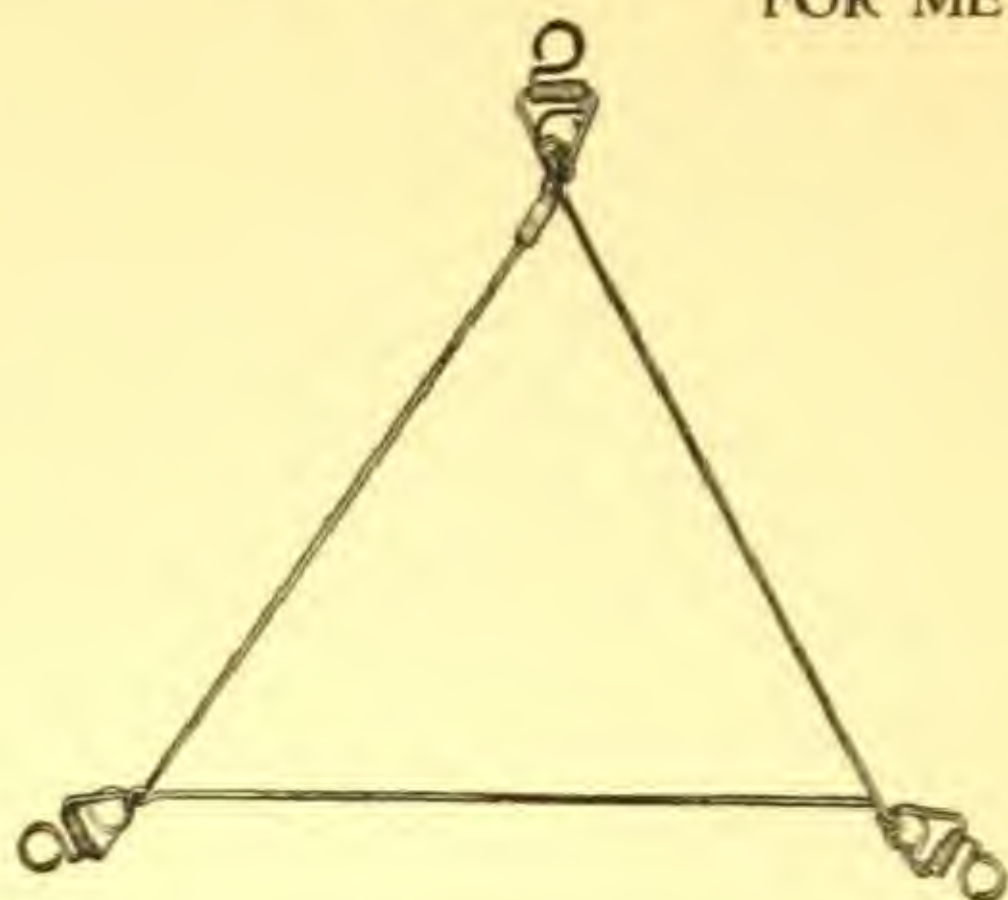
EAGLE RUBBER TRIPOD TIPS

For use on all makes of metal tripods to eliminate slipping on smooth floors. Made to fit securely over the points of the tripod. Will not drop off.

Set of 3 tips \$0.20



STUART TRIPOD STABILIZER FOR METAL TRIPODS



The Tripod Stabilizer is quickly adjusted to the tripod and enables one to set up on wood or tile floors without fear of slipping. The Stabilizer braces the tripod and adds to its stability. Can be moved into any desired position on tripod to adjust leg spread.

PRICE \$.35

CROWN TILTING TRIPOD TOP

Two wooden blocks joined at one edge by a piano hinge form this tilting top. Brass arms fastened to the upper, tilting block, to which the camera is attached by a tripod screw, are firmly locked by milled head screws on the lower horizontal block which is attached to the tripod top. The camera may be tilted up or down at any angle. The device is especially useful for photographing articles placed on a table.



Each \$5.00

EAGLE FERROTYPE VARNISH

A quick drying brilliant varnish, gives a bright glossy finish, a hard transparent cover. Use slight heat, flow evenly and drain at the corner.

Per 6-ounce bottle.....\$0.50 Per pint bottle.....\$1.00



EAGLE POSITIVE VARNISH

For glass positives, ferrotypes and preserving negatives. A transparent hard varnish. Flow evenly, drain at the corners. Use no heat. Will dry rapidly.

Per 6-ounce bottle..\$0.50 Per pint bottle..\$1.00 Per quart bottle..\$1.75

EAGLE BLACK MATT VARNISH

This varnish is made for coating the inside of cameras, plate holders, lens tubes or any place where light should not be reflected. It dries quickly to a perfect dull, smooth, ebony black finish that will not rub off. When applied to a smooth surface of metal or wood and allowed to dry and afterward rubbed with a cloth and beeswax, a beautiful rich finish is obtained—suitable for picture frames, outside of apparatus, etc. It is ever ready and should be on hand at all times. Price, per bottle.....\$0.50

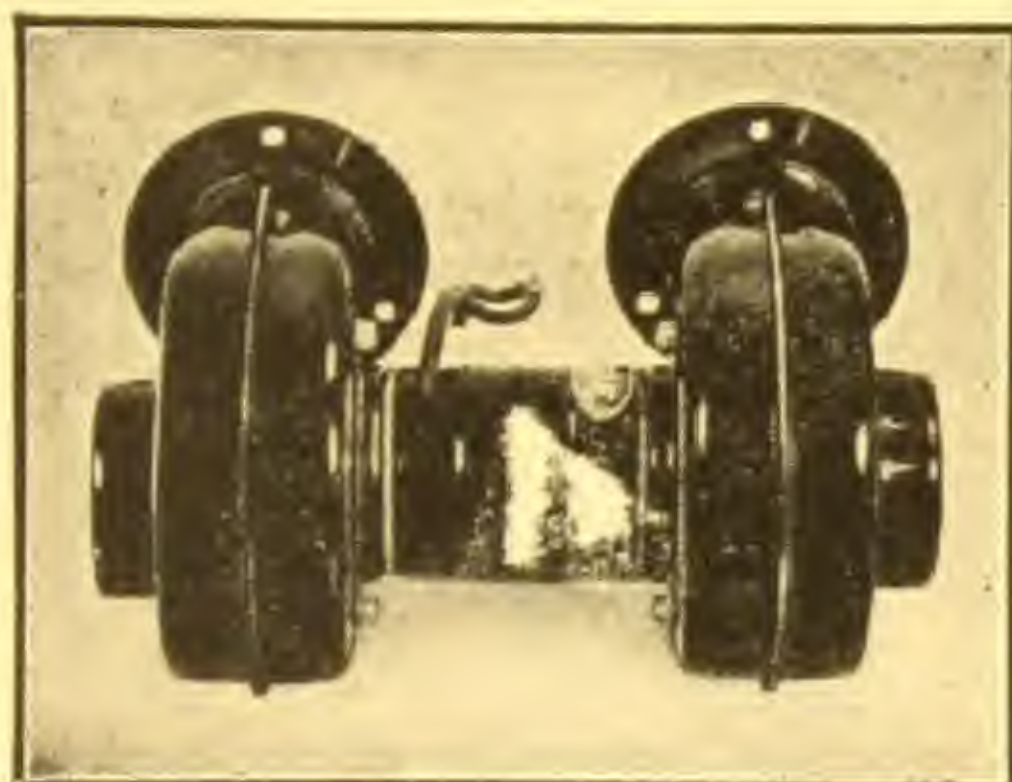
EAGLE PRINT LAC (VARNISH)

This is a transparent varnish which can be brushed or spread on prints and negatives so as to protect their surface. Produces a very thin layer which is hardly perceptible on the surface of the print. Price per 16 oz. bottle.....\$1.00

EAGLE DARK ROOM VENTILATOR

Is light safe and gives constant air circulation in the dark room. Measures 12 in. long, 24 in. wide, 1 in. thick. Is readily installed in any door or partition. Enamelled maroon. Price \$7.00





ROYAL DARKROOM VENTILATOR

Prepare yourself for those hot and humid days ahead. Equip your darkroom with a Royal Darkroom Ventilator.

For use on 110 volt, 60 cycle A.C. current only.

SINGLE UNIT

85 to 100 cubic feet of air per minute

\$14.00

DOUBLE UNIT (Illustrated)

170 to 200 cubic feet of air per minute

\$18.00

ESDY VIEWER

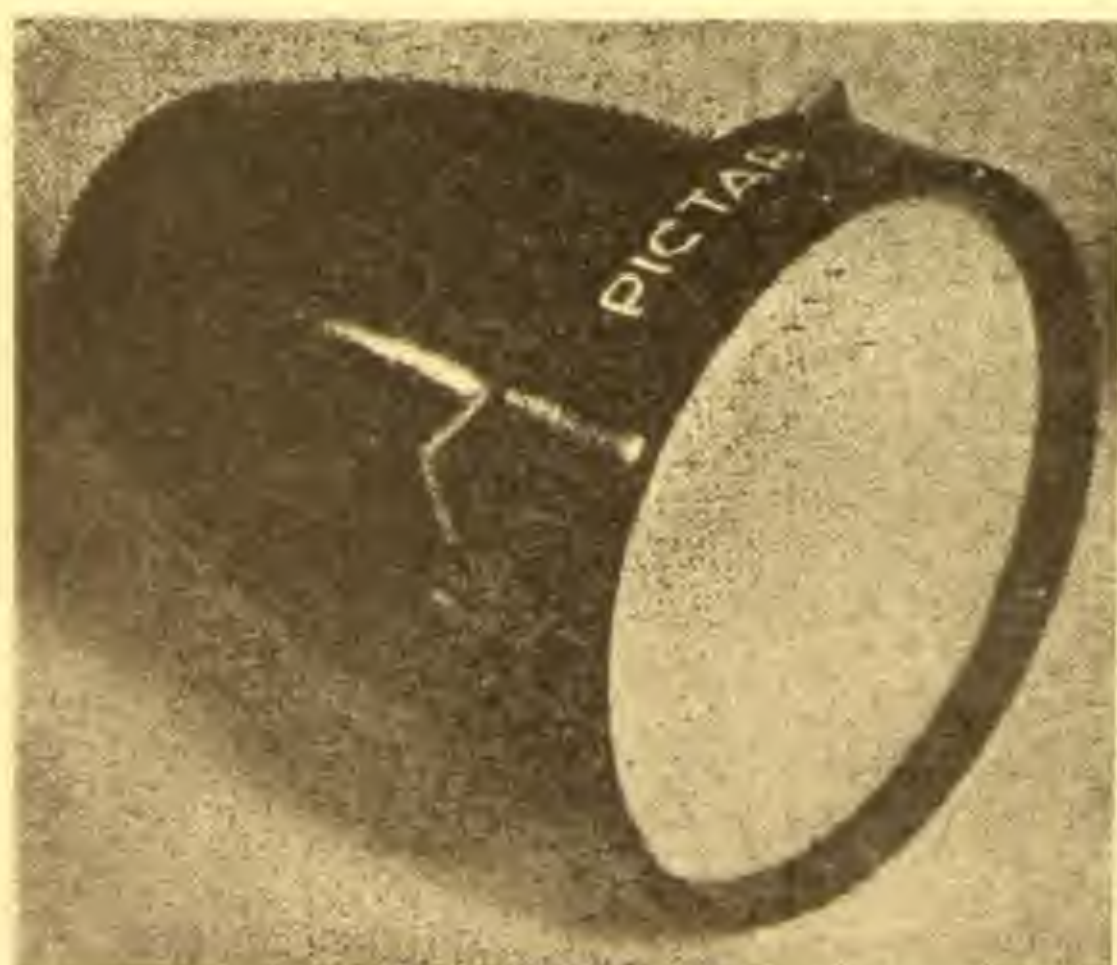
Slip a 2" x 2" slide into the feeder slot and see the picture magnified in all its brilliant color tones, retaining its full three-dimensional effect. The next slide automatically ejects the first one through a rear opening, thus protecting the slides from piling up and scratching.

Compact in size, light in weight, the Edsy Viewer enables several people to view slides at the same time and from many angles.



1. COMPACT SIZE—only 6" x 3 $\frac{3}{8}$ " x 3" overall.
2. LIGHT WEIGHT—only 16 ounces.
3. PIN-POINT SHARPNESS—assured by a new method of light diffusion.
4. STURDY CONSTRUCTION—solid metal; black crackle finish.
5. SIMPLE DESIGN—bulb replaced in a jiffy; no moving parts to jam.
6. USE IT ANYWHERE—operates on 110V—A.C. or D.C.
7. TELEVISION-TYPE LENS—no need to squint or shut one eye.
8. DUST-PROOF—equipped with metal insert to lock out dust.
9. AMAZING VALUE—nothing like it on the market anywhere near this price.

PRICE \$5.95

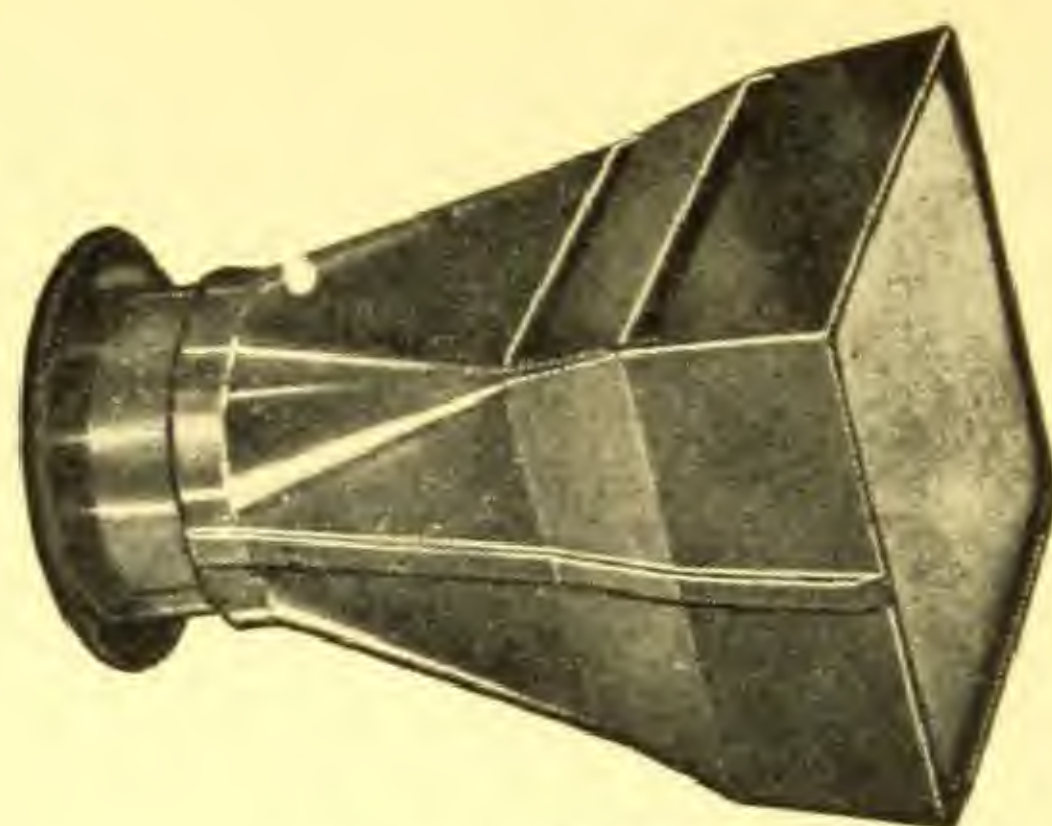


PICTAR VIEWER

For 2 x 2 Color Slides

This is a one piece attractive plastic molding job permanently focused . . . with good optical qualities.

Price \$1.00



COLO - VUER

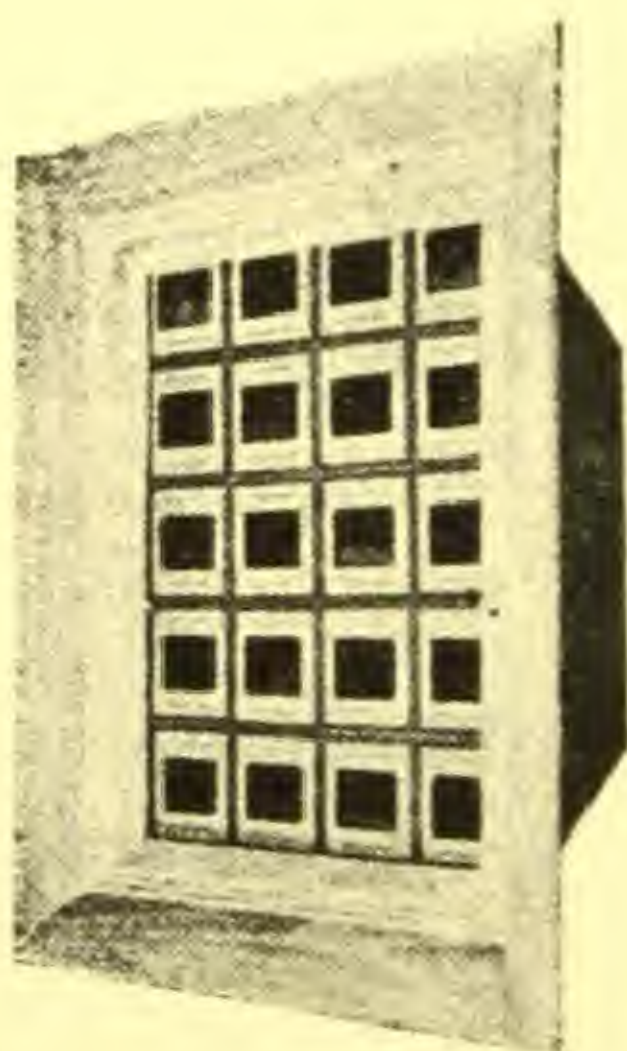
THE "THREE-IN-ONE VIEWER"

For $2\frac{1}{4} \times 2\frac{1}{4}$, 35 mm and
BANTAM TRANSPARENCIES

The most versatile viewer on the market at any price. Takes the three sizes listed above. Optically ground and polished lens gives 3 times magnification. Removable eyepiece. Fabricated of sturdy plastic.

\$2.95

The VUETTE ILLUMINATOR



For Exhibiting Color Slides
For Viewing Transparencies
Indispensable for Ektachrome

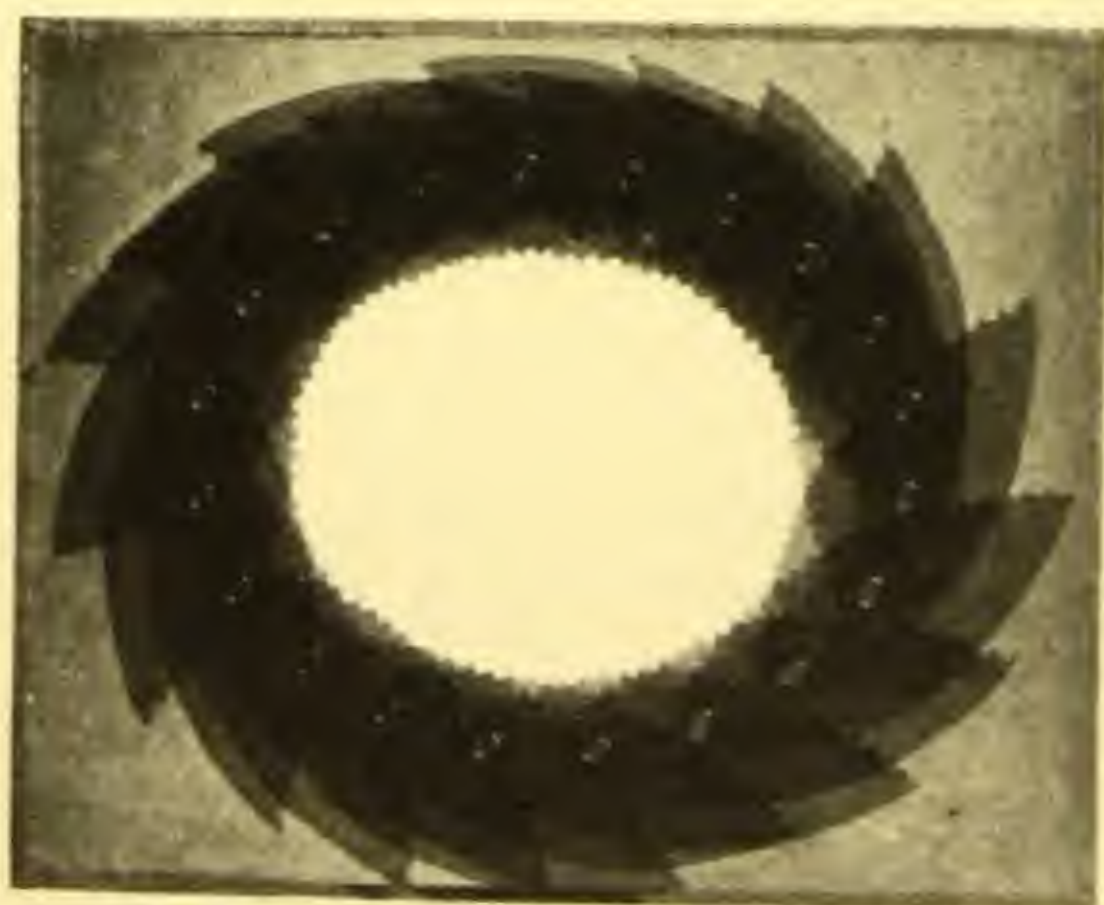
A photographic unit of numerous uses. The Vuette will display color slides to best advantage. The Vuette can be used for viewing film negatives, -ray film, etc. and is indispensable for Ektachrome.

In the darkroom the VUETTE may be used for film retouching, contact printing or as a safelight.

The VUETTE holds twenty 35mm slides or their equivalent and comes with a set of four ready-cut masks for viewing various size transparencies individually, $2\frac{1}{4} \times 2\frac{1}{4}$, $2\frac{1}{2} \times 3\frac{1}{4}$, 4×5 and 5×7 .

Constructed of sturdy sheet metal in a crackle brown finish. Fitted with an opal glass which produces an evenly diffused light.

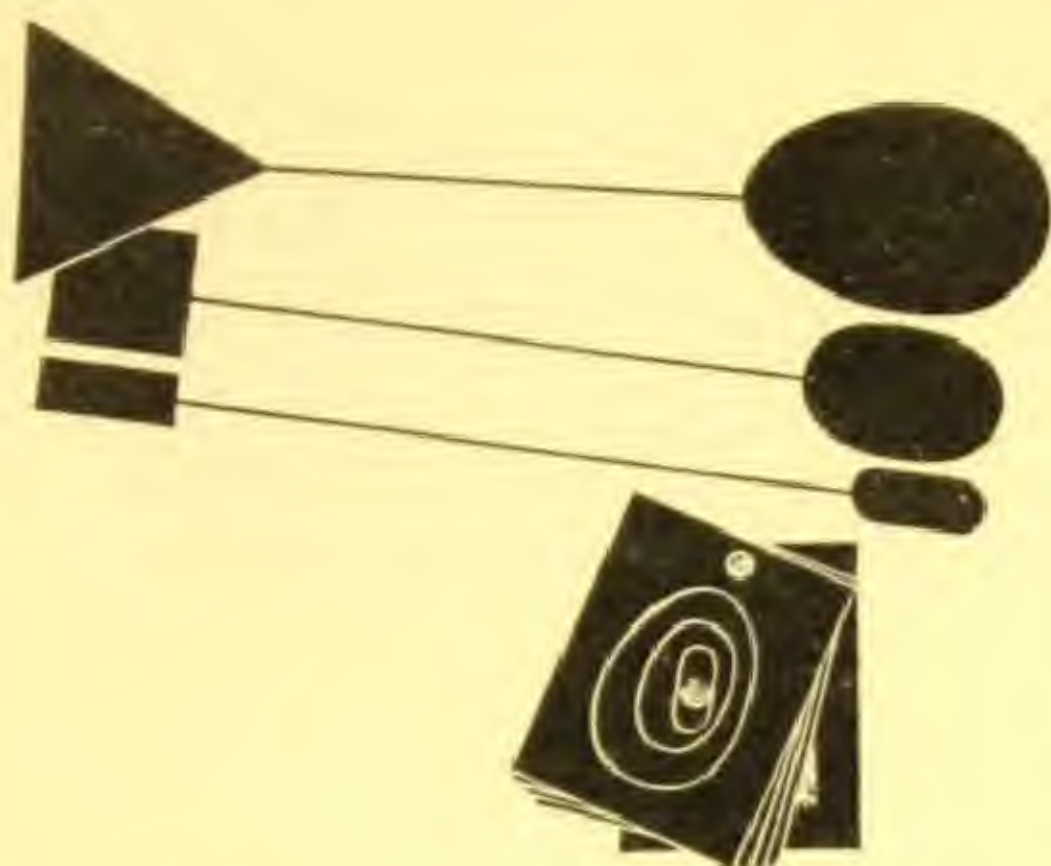
5 x 7	\$ 6.98
8 x 10	9.95
11 x 14	14.98
16 x 20	24.98



VARIABLE VIGNETTER

You can use it for cutting out any part of a picture you don't want—to make multiple panel printing easy or to lay out a montage. Also enables you to make an infinite variety of oval, square and circular shapes in various sizes.

Price \$1.90



VOKAR

DODGING AND VIGNETTING KIT

Designed to help the serious worker obtain better enlargements and contact prints, this kit consists of two parts. The first is the three wire-handled dodgettes for holding back areas in the prints which appear too dark. The second is a handy book of masks which allow the vignetting or burning in of local areas. Full instructions are included with each kit.

Price \$1.00

THE MARVEL ENLARGING VIGNETTE HOLDER

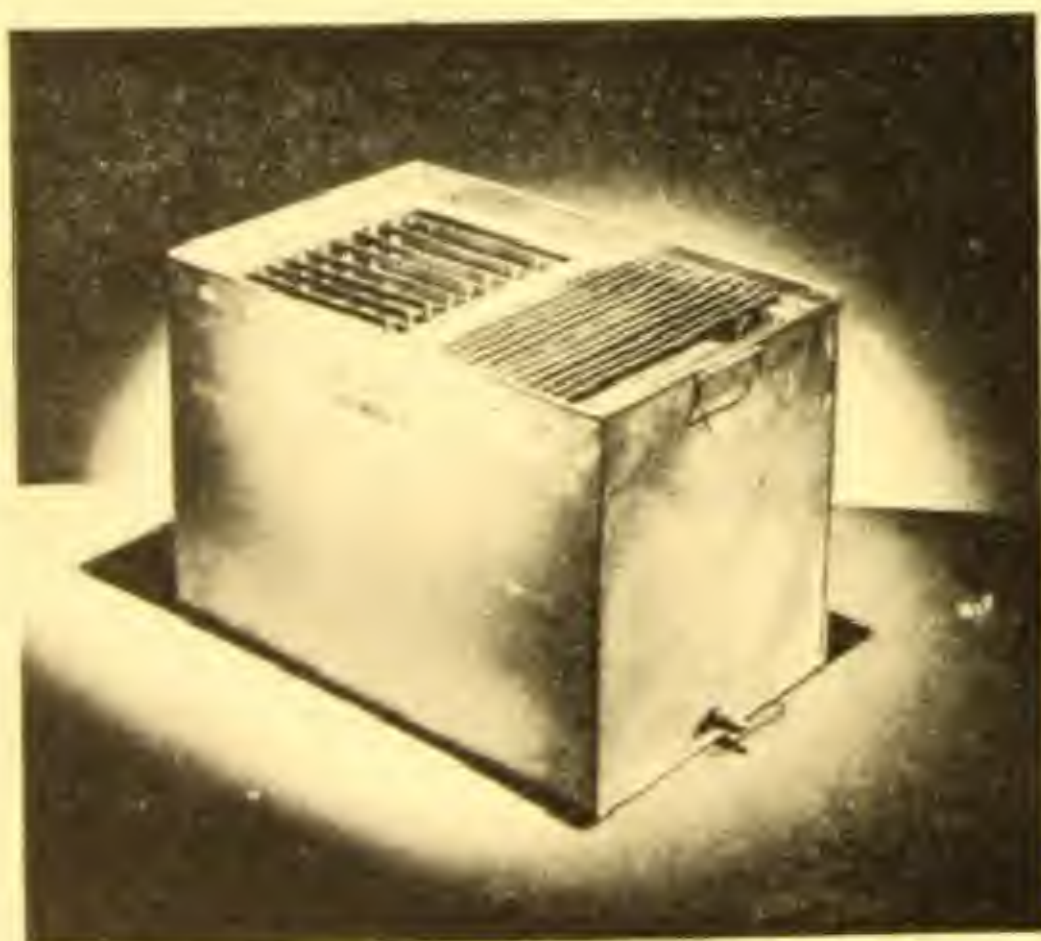


is well made and moderately priced. Finished in dark colors, it will not pick up reflections in the dark room. Controls are positive and simple to work. The base is cast iron with enough weight so that it will stay put and not tip over.

\$10.50, plus fed. tax \$1.75 = \$12.25

VISIBLE DODGER \$2.95

KODAK NEGATIVE FILM AND PLATE WASHING TANK



The new tank is made of unpainted monel-metal for long life and hard use. The hanger supports are now welded to the sides of the tank and there are no movable parts.

The size of the tank has been enlarged to accommodate two No. 4 Developing Hanger Racks loaded with either 8 x 10 or 5 x 7 No. 4A Film and Plate Developing Hangers. Full loads of either size hangers can be washed, or 8 x 10 hangers may be hung in one rack and 5 x 7 hangers in the other.

Without the rack the tank will accommodate forty-four 8 x 10 or sixty 5 x 7 hangers. If both sizes are washed at one time, the capacity is twenty-two 8 x 10 and thirty 5 x 7 hangers.

Price \$24.20

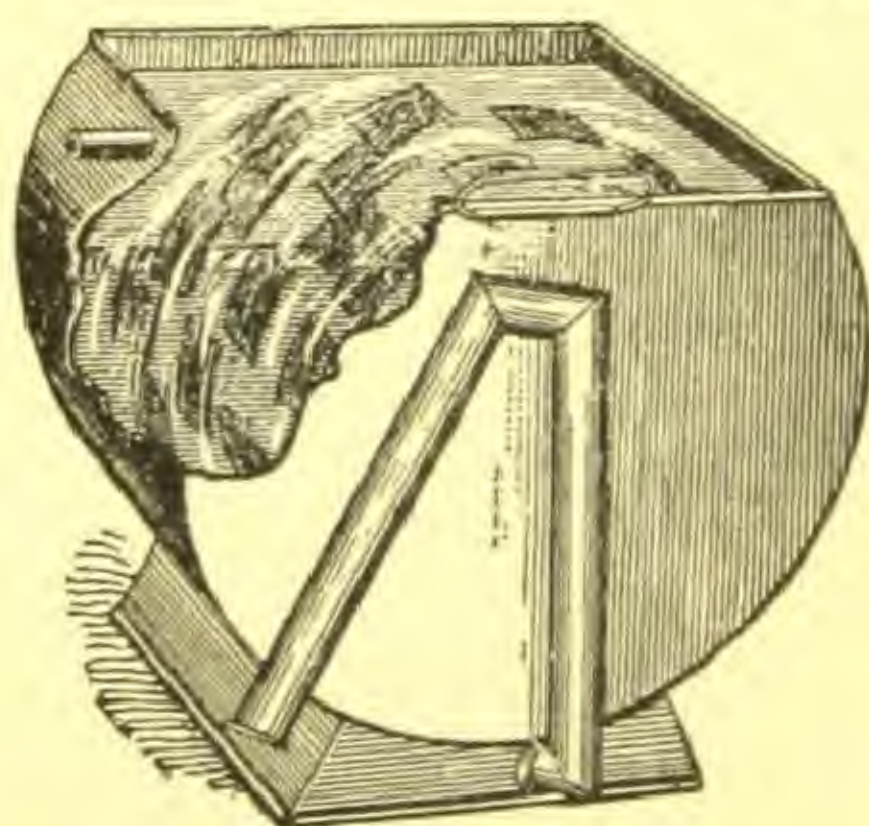


PLATE WASHERS

10x12 Washing Boxes, Cap. 6 plates	each	\$3.00
11x14 or smaller Royal Plate Washers	each	5.00
Royal Plate Washers for 14x17 or smaller plates	each	6.00

ROYAL IMPROVED PRINT WASHER—STYLE C

Prompt shipment



The peculiar construction of this washer is such that the prints are made to revolve by the pressure of the water entering the washer.

The water enters the washer through the inlet tube in such a way that it is forced against the side of the washer and made to revolve around and around, carrying the prints with it.

The speed at which they revolve can be regulated by the amount of water entering the washer. The water is siphoned off through the bottom of the washer so that the water in the washer is constantly changing, flowing in at the top and being drawn off at the bottom.

The Royal Washer is made of heavy metal throughout.

No.	Length	Diameter	Price
1C—5 x 7 prints	12	12	\$12.00
2C—8 x 10 Prints	18	15	20.00

ANDERSON PRINT WASHER



A practical print washer for the commercial or portrait photographer. Constructed of heavy gauge metal which will last indefinitely. This washer is built for use in a photographic sink, since it contains small openings near the bottom through which the heavier hypo solution drains, also numerous openings near the top for the overflow of wash water. Water is admitted near one of the corners to create a good circulation of water.

No. 1—14 x 17"—for 8 x 10 or smaller prints	\$10.00
No. 2—18 x 22"—for 11 x 14 or smaller prints	12.00

ALUMINUM PRINT WASHERS

Constructed identical to the Anderson Print Washer shown above. Made of heavy gauge aluminum. Size $15\frac{1}{4}$ x $15\frac{1}{2}$ x $3\frac{1}{2}$ ".

Price \$4.00

RICHARD PRINT WASHER



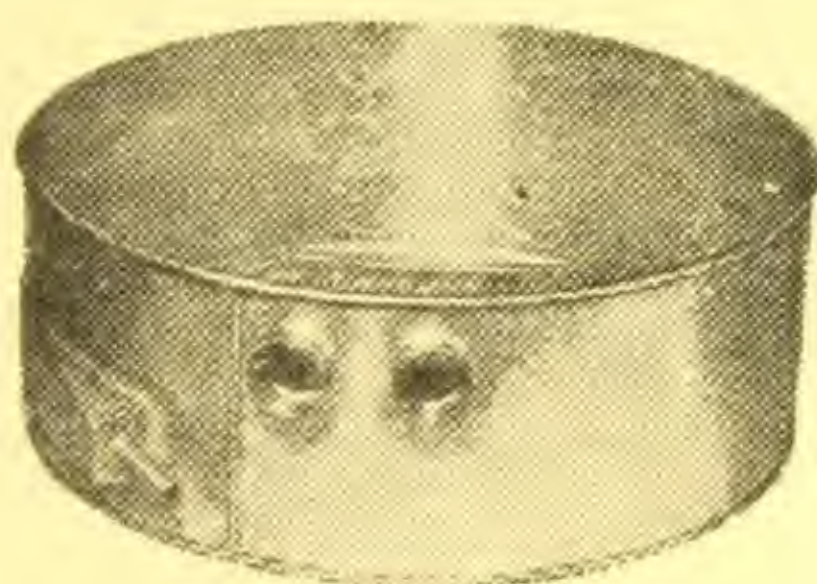
Water sprays into the washer from three different angles, keeping prints in constant circulation. Highly polished spun aluminum finished with white plastic coating. Can not rust, crack or chip.

Washes thoroughly in 25 minutes—60 DW 8 x 10's or 200 4 x 5's—Also handles 11 x 14's.

No Moving Parts — Water is Self-Propelled.

PRICE \$18.25

AREL PRINT WASHER



Made of heavy gauge galvanized steel, the Arel Print Washer has a built-in baffle which prevents prints from interfering with overflow. Complete washing in the shortest time is provided by circular fresh water flow. Complete with hose and universal coupling. The Arel Print Washer measures 24" in diameter and 6" in depth.

PRICE \$12.95

LENZ HI-SPEED WASHERS

CUT WASHING TIME IN HALF



This Washer consists of two pans, one inside the other. The inner pan rotates with the prints and spins on a ball bearing mounted in the center.

Thorough and Dependable

Every print is sprayed and washed on both sides 24 to 36 times every minute. Prints stay

smooth and flat in shallow whirling water.

No more damaged or jumbled prints.

MONEL — "The Lifetime metal"

40 INCH — Especially suitable for large portraits and commercial prints. Will handle 100 11 x 14 or 200 8 x 10 prints at a time.

PRICE \$117.00 — Tax \$18.60

32 INCH — Excellent for general studio and commercial work in all sizes up to 8 x 10.

PRICE \$87.00 — Tax \$14.58

26 INCH — Will easily wash small prints in all sizes up to 6 x 9.

PRICE \$69.00 — Tax \$11.56

LEAD-COATED COPPER — (Second only in quality to solid Monel — corrosion and rust proof.)

40 INCH (see recommended capacities above).

PRICE \$87.00 — Tax \$14.58

32 inch (see above).

PRICE \$69.00 — Tax \$11.56

26 INCH (see above).

PRICE \$54.00 — Tax \$9.05

Arkay Photrix Print Washer

THE DIRECT ACTION WASHER—THE ONLY WASHER WITH STRAIGHT LINE FLOW—IT IS THE FIRST POPULAR PRICED WASHER THAT WORKS SIMPLY, EFFICIENTLY AND ECONOMICALLY.

Water in multiple powerful jets gushes constantly with straight line flow through the PHOTRIX washer agitating the prints, sweeping their upper and under sides with a force that cannot be denied. It at once engages and dilutes the hypo and then carries it straight through the washer and out the other side in shortest time. Thorough washing as accomplished by the PHOTRIX washer prevents any fading or discoloration from hypo or other chemicals, either of photographic prints or of cut film. The automatic motion of the water keeps prints suspended, placing entire area of both surfaces in contact with water and does not permit them to stick together.

The PHOTRIX print washers are so compact they will fit into the smallest darkroom. They are made from durable, chemical-resisting and non-corrosive materials. There is nothing to rust or get out of order.

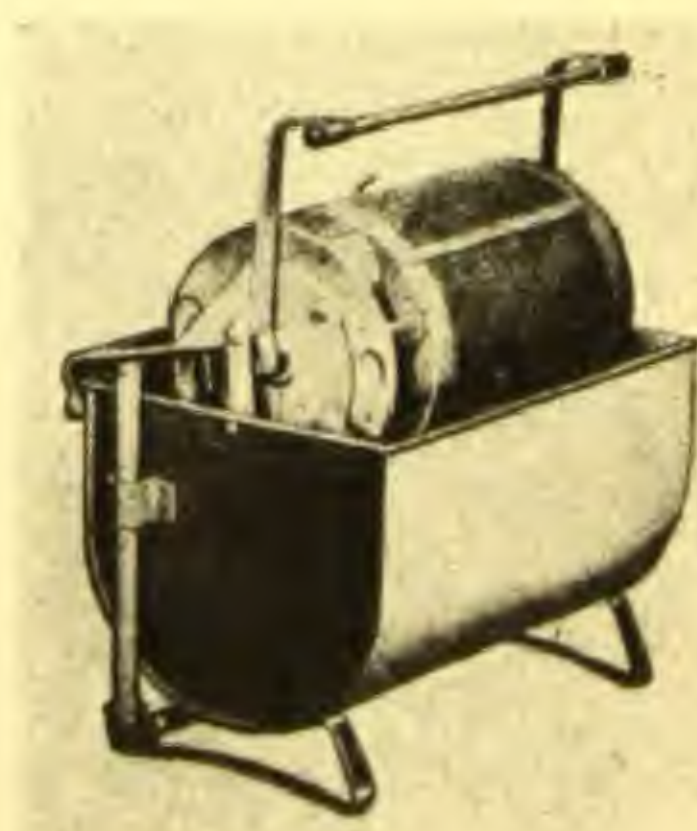


**It's
New!**

Price Tax

8" x 10" Arkay Photrix Print Washer \$3.95 .39
11" x 14" Arkay Photrix Print Washer 6.95 .69

JOHNSON ROTARY SPRAY PRINT WASHER



These splendid washers are extremely economical in use as they require no motive power, and yet are certain in action even when water pressure is poor. The washers require no watching and will efficiently free prints from all traces of hypo. The rotary drum is perforated and good circulation of the prints is ensured by the force of the water jets from the bottom of the tank. Outside finish, aluminum. Size: No. 2, 2 ft. x 1 ft. 10 in. x 2 ft. Takes up to 300 2¼ x 3¼ in. prints.

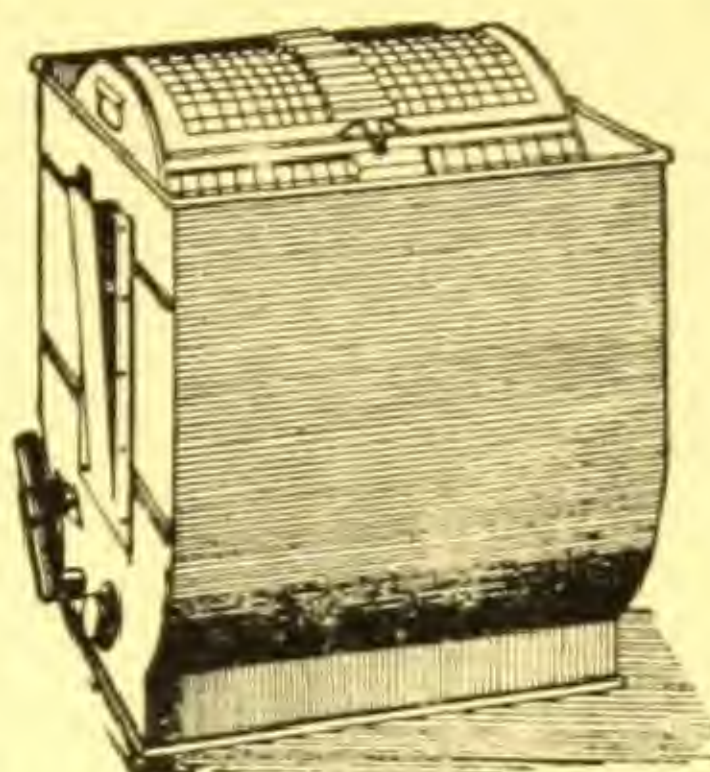
Price \$85.00+\$21.25 Mfg. Tax

Rex Automatic Print, Film and Plate Washers

With the use of the Rex Print Washer prints and films of all sizes and weights can be washed all at one time. It is without a doubt the most complete print and film plate washer ever invented, and its rapidity of action makes it indispensable to the thrifty photographer. It will run with 15 to 20 lb. water pressure. The water that runs it is used to wash the prints. No extra expense for power.

It Will Wash

No. Size and Prints	Cylinder Tank Complete
5—10x12 or 300—4x6 28 lb.	\$9.00 \$13.00 \$28.00
6—11x14 or 400—4x6 35 lb.	12.00 15.00 30.00
7—16x29 or 600—4x6 or 125—8x10	44 lb. 14.00 18.00 36.00
8—18x22—800—4x6 or 200—8x10	50 lb. 16.00 20.50 40.00



Trox Film Washer

This Trox Film Washer is one of the most useful articles for the amateur that we have introduced in some time. It is intended for the amateur who uses the bathroom as his dark room.

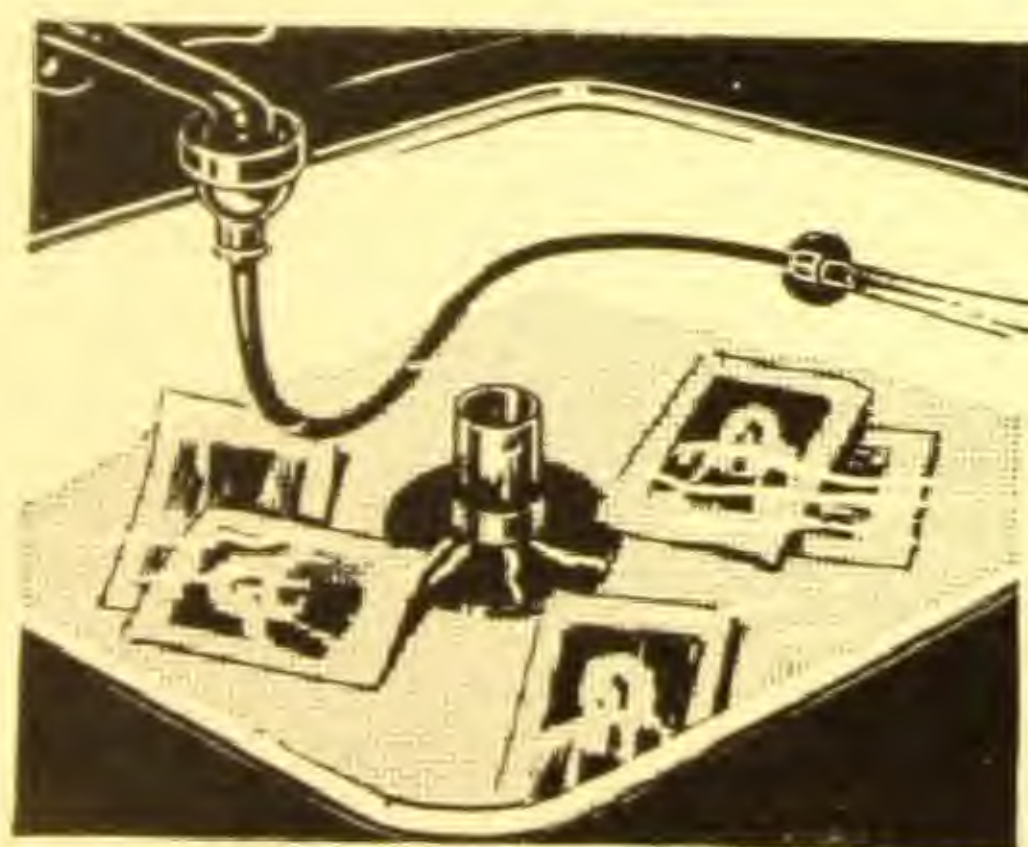
Any size roll of film can be placed in the water. It is fastened by two pins.

A rubber hose is attached to the washer and to the faucet of the bathtub, the washer being placed high enough over the bathtub so that the film does not touch the bottom. It is completely washed in a few minutes, as the construction of the washer is such that the water flows over each side of the film its entire length.

No. 1, 3 inch \$.75
No. 2, 5 inch 1.00

Trox Film Washer Outfits

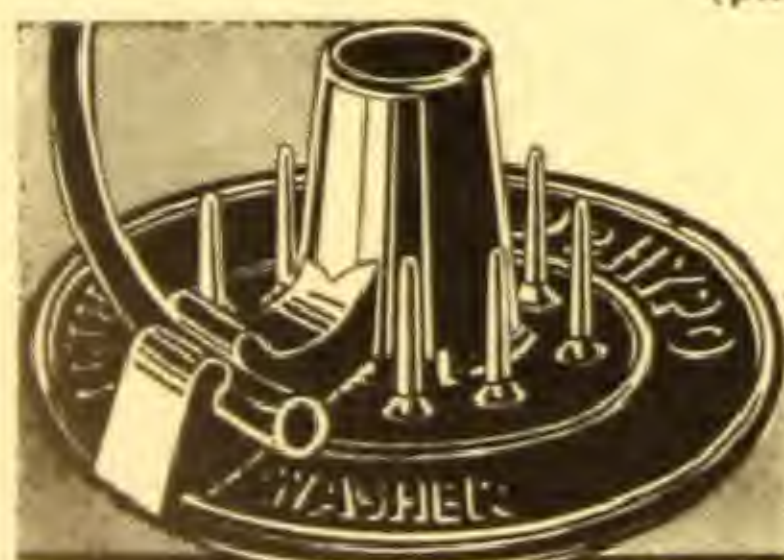
Style A, No. 1, or No. 2 Washer, 6 ft. of Rubber Hose and Faucet Connection \$1.50
Style B, No. 1, or No. 2 Washer, 3 ft. of Rubber Hose and Faucet Connection \$1.35
Plus Mfr. Excise Tax.



KODAK WASHING ASSEMBLY: Converts household sink into circulating washer. Fresh water enters through hose, drains out of sink through a stopper—adjustable for height. Keeps water swirling, insuring thorough washing of prints. Price \$2.25

DeHYPO Turbulator PRINT WASHER

(pat. pending)



Professional photo-print washing at home, in your sink or tub

Fasten to faucet; provides quick-acting, gentle, turbulent washing action. Patented guards prevent prints from clogging drain. Nothing to rust, break, or get out of order. Boxed, with complete instructions.

\$1.65+.18 Tax

AUTOMATIC TRAY SIPHON WASHER



This siphon is an automatic apparatus for quickly and thoroughly removing hypo from films, prints and plates. It converts a tray into a washing machine of high efficiency and will wash at least as quickly as the more complicated devices on the market. In fact about ten minutes is quite sufficient for films and plates.

The Automatic Tray Siphon with hose and faucet connector \$4.75



WASH TEST

Insures thorough washing of prints and films. Fading and yellowing of prints and films are avoided by using Wash Test. Toning processes demand prints free from hypo. Assure best results by using this simple test:—Allow one or two drops of Wash Test to fall into a teaspoon or small glass of water drained from film or prints. If water turns faintly blue the washing is complete.

Wash Test—sufficient for 200 tests \$0.35



EASY WET

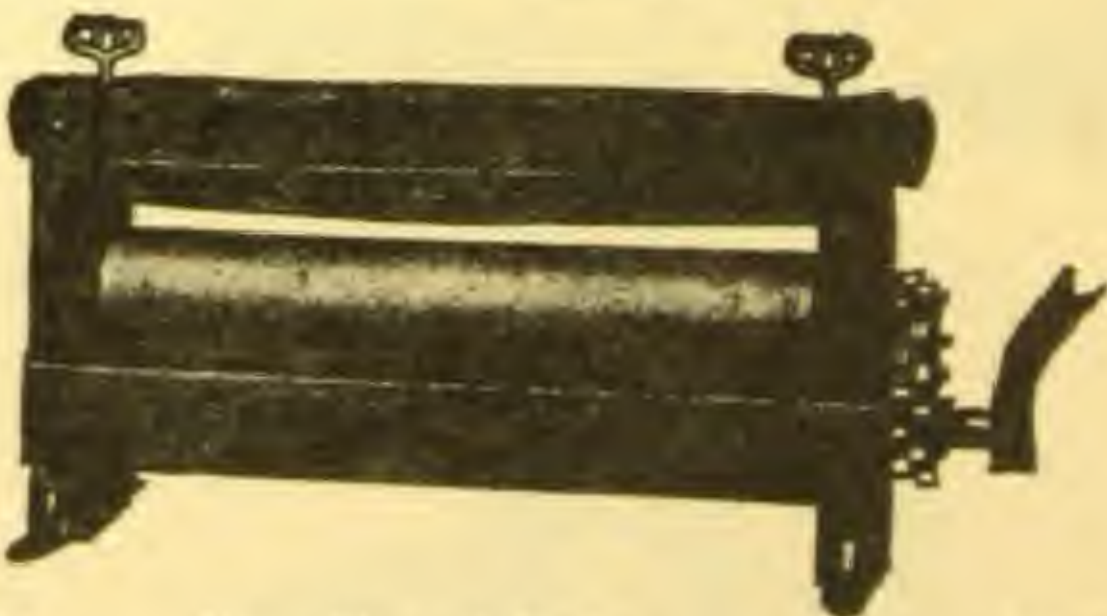
A wetting solution which performs many uses in photography. A small amount of this solution added to various photographic solutions such as developers, sensitizers, opaque, retouching colors, destroys surface tension and allows even penetration on the hardest of surfaces.

8 OZ. BOTTLE \$5.50
16 OZ. BOTTLE90
1 GAL. BOTTLE 7.00

(Postage Extra)

EASY PHOTO WRINGER

Rolls should be 4 in. longer than ferrotype plates.
Designed especially for the photographer.
Insures perfect contact in cloth mounting.
Fitted with finest quality rubber rolls.
Positively will not buckle prints. Completely eliminates free water from both prints and tins.
Shortens drying time in your print dryer.
Can be bolted on top of table.

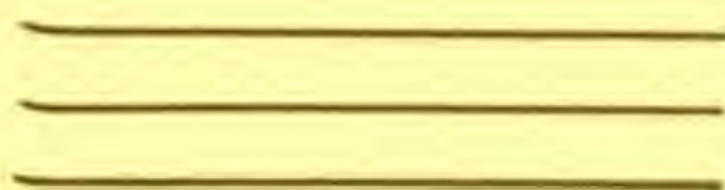


No.	Size of Rolls	Price	No.	Size of Rolls	Price
312	—12 x 2 inches	\$23.16	320	—20 x 2 inches	\$25.53
316	—16 x 2 inches	24.35	324	—24 x 2 inches	26.72

All price include taxes

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